

Appendix D.1 – LANDMAP Data

Appendix D.1

Landmap Data

This is followed schedules set out the evaluation data for those Aspect Areas which coincide with each of the Landscape Character Areas defined for the landscape baseline section of the Landscape Effects assessment.

This is followed by a list of the evaluation criteria that are used for each of the five Landmap topics, along with a description where available.

Finally selected detailed Landmap data is provided for each of the Visual and Sensory aspect areas which coincide with the Landscape Character Areas.

Slopes below Waunfawr								Character Area 1			
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL021	M	O	O	O	O	O	M	H	O	Outstanding
	GWNDDCL024	M	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL105	O	H	H	O	H					Outstanding
	GWNDDGL107	M	L	M	M	M					Moderate
	GWNDDGL108	H	M	H	H	H					High
Historic Landscape	GWNDDHL028	O	H	H	O	M					Outstanding
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL503	O	O	H	H	M					Outstanding
	GWNDDHL675	O	O	M	O	M					Outstanding
	GWNDDHL881	O	O	H	H	O					Outstanding
Landscape Habitats	GWNDDLH608	H	H	H	H	H	H	H	H		High
	GWNDDLH614	H	O	L	M	M	M	O	M		High
	GWNDDLH616	H	H	L	M	M	H	H	U		High
	GWNDDLH617	H	H	M	H	M	M	H	H		High
	GWNDDLH623	H	H	L	M	M	H	O	O		Outstanding
	GWNDDLH624	M	M	M	H	M	M	M	H		Moderate
	GWNDDLH630	M	L	M	L	M	M	L	L		Moderate
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS011	M	M	M	M						Moderate
	GWNDDVS020	M	H	M	M						Moderate

Mynydd Cilgwyn to Moel Smytho								Character Area 2			
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDECL024	M	O	O	O	O	O	H	O	O	Outstanding
	GWNDDECL025	H	O	O	O	O	O	H	O	O	Outstanding
	GWNDDECL029	O	U	U	M	O	U	M	M	M	High
Geological Landscape	GWNDDECL091	O	H	H	O	O					Outstanding
	GWNDDECL105	O	H	H	O	H					Outstanding
	GWNDDECL107	M	L	M	M	M					Moderate
Historic Landscape	GWNDDECL005	O	O	O	O	O					Outstanding
	GWNDDECL028	O	H	H	O	M					Outstanding
	GWNDDECL503	O	O	H	H	M					Outstanding
	GWNDDECL881	O	O	H	H	O					Outstanding
	GWNDDECL957	O	O	H	O	H					Outstanding
Landscape Habitats	GWNDDECL608	H	H	H	H	H	H	H	H		High
	GWNDDECL611	H	H	L	M	M	H	H	U		High
	GWNDDECL612	M	H	H	U	H	H	M	U		High
	GWNDDECL614	H	O	L	M	M	M	O	M		High
	GWNDDECL616	H	H	L	M	M	H	H	U		High
Visual and Sensory	GWNDDECL011	M	M	M	M						Moderate
	GWNDDECL012	H	H	H	H						High
	GWNDDECL024	H	H	H	M						High

Carmel to Rhosgadfan							Character Area 3				
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL024	M	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL025	H	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL029	O	U	U	M	O	U	M	M	M	High
Geological Landscape	GWNDDGL091	O	H	H	O	O					Outstanding
	GWNDDGL107	M	L	M	M	M					Moderate
Historic Landscape	GWNDDHL005	O	O	O	O	O					Outstanding
	GWNDDHL028	O	H	H	O	M					Outstanding
	GWNDDHL235	H	H	M	H	M					High
	GWNDDHL503	O	O	H	H	M					Outstanding
	GWNDDHL675	O	O	M	O	M					Outstanding
	GWNDDHL881	O	O	H	H	O					Outstanding
	GWNDDHL957	O	O	H	O	H					Outstanding
Landscape Habitats	GWNDDLH608	H	H	H	H	H	H	H	H		High
	GWNDDLH611	H	H	L	M	M	H	H	U		High
	GWNDDLH612	M	H	H	U	H	H	M	U		High
	GWNDDLH614	H	O	L	M	M	M	O	M		High
Visual and Sensory	GWNDDVS011	M	M	M	M						Moderate
	GWNDDVS012	H	H	H	H						High
	GWNDDVS024	H	H	H	M						High

Southern slopes										Character Area 4	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL024	M	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL107	M	L	M	M	M					Moderate
Historic Landscape	GWNDDHL028	O	H	H	O	M					Outstanding
	GWNDDHL503	O	O	H	H	M					Outstanding
	GWNDDHL563	O	H	H	H	M					High
	GWNDDHL675	O	O	M	O	M					Outstanding
	GWNDDHL881	O	O	H	H	O					Outstanding
	GWNDDHL957	O	O	H	O	H					Outstanding
Landscape Habitats	GWNDDLH608	H	H	H	H	H	H	H	H		High
	GWNDDLH611	H	H	L	M	M	H	H	U		High
	GWNDDLH614	H	O	L	M	M	M	O	M		High
Visual and Sensory	GWNDDVS011	M	M	M	M						Moderate

Groeslon to Rhos Isaf										Character Area 5	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDECL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDECL024	M	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDDL107	M	L	M	M	M					Moderate
	GWNDDDL108	H	M	H	H	H					High
Historic Landscape	GWNDDDL462	O	H	H	O	H					High
	GWNDDDL563	O	H	H	H	M					High
	GWNDDDL675	O	O	M	O	M					Outstanding
	GWNDDDL809	H	O	M	H	M					High
	GWNDDDL881	O	O	H	H	O					Outstanding
Landscape Habitats	GWNDDDL608	H	H	H	H	H	H	H	H		High
	GWNDDDL620	L	L	M	L	M	M	L	M		Moderate
Visual and Sensory	GWNDVVS006	M	L	M	M						Moderate
	GWNDVVS011	M	M	M	M						Moderate
	GWNDVVS022	L	L	L	L						Low

Open fields around Llanwnda/ Afon Carrog										Character Area 6	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL008	H	H	M	M	H	H	H	H	H	High
	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL014	O	M	H	L	M	L	L	M	O	Outstanding
	GWNDDCL021	M	O	O	O	O	O	M	H	O	Outstanding
	GWNDDCL024	M	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL107	M	L	M	M	M					Moderate
	GWNDDGL108	H	M	H	H	H					High
Historic Landscape	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL552	H	H	H	H	O					High
	GWNDDHL563	O	H	H	H	M					High
	GWNDDHL809	H	O	M	H	M					High
	GWNDDHL881	O	O	H	H	O					Outstanding
Landscape Habitats	GWNDDLH605	H	H	U	M	L	H	H	O		Outstanding
	GWNDDLH608	H	H	H	H	H	H	H	H		High
	GWNDDLH619	M	M	L	M	M	H	M	M		Moderate
	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS011	M	M	M	M						Moderate
	GWNDDVS022	L	L	L	L						Low
	GWNDDVS031	M	M	M	M						Moderate
	GWNDDVS034	H	M	M	M						Moderate

Coastal Plain								Character Area 7				
LANDMAP EVALUATION												
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation	
		1	2	3	4	5	6	7	8	9		
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding	
Geological Landscape	GWNDDGL108	H	M	H	H	H					High	
	GWNDDGL109	H	H	H	O	H					High	
	GWNDDGL148	O	H	H	O	O					Outstanding	
Historic Landscape	GWNDDHL462	O	H	H	O	H					High	
	GWNDDHL721	M	M	M	H	H					Moderate	
	GWNDDHL925	M	H	H	H	H					High	
Landscape Habitats	GWNDDLH598	M	M	H	M	U	M	M	H		Moderate	
	GWNDDLH619	M	M	L	M	M	H	M	M		Moderate	
	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate	
	GWNDDLH622	O	O	L	M	M	M	O	O		Outstanding	
Visual and Sensory	GWNDDVS030	H	O	H	H						High	
	GWNDDVS031	M	M	M	M						Moderate	
	GWNDDVS034	H	M	M	M						Moderate	

Llanwnda								Character Area 8				
LANDMAP EVALUATION												
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation	
		1	2	3	4	5	6	7	8	9		
Cultural Landscape	GWNDDECL008	H	H	M	M	H	H	H	H	H	High	
	GWNDDECL010	O	O	O	O	O	O	H	O	O	Outstanding	
	GWNDDECL014	O	M	H	L	M	L	L	M	O	Outstanding	
	GWNDDECL021	M	O	O	O	O	O	M	H	O	Outstanding	
Geological Landscape	GWNDDDL108	H	M	H	H	H					High	
Historic Landscape	GWNDDDL462	O	H	H	O	H					High	
	GWNDDDL552	H	H	H	H	O					High	
Landscape Habitats	GWNDDLH619	M	M	L	M	M	H	M	M		Moderate	
	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate	
Visual and Sensory	GWNDVVS006	M	L	M	M						Moderate	

Lower Afon Gwyrfai								Character Area 9			
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL021	M	O	O	O	O	O	M	H	O	Outstanding
Geological Landscape	GWNDDGL108	H	M	H	H	H					High
	GWNDDGL109	H	H	H	O	H					High
	GWNDDGL148	O	H	H	O	O					Outstanding
Historic Landscape	GWNDDHL132	H	M	M	H	M					Moderate
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL721	M	M	M	H	H					Moderate
Landscape Habitats	GWNDDLH598	M	M	H	M	U	M	M	H		Moderate
	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDDLH622	O	O	L	M	M	M	O	O		Outstanding
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS021	L	L	L	L						Low
	GWNDDVS030	H	O	H	H						High
	GWNDDVS031	M	M	M	M						Moderate
	GWNDDVS034	H	M	M	M						Moderate

Tan-y-graig/Llanfaglan								Character Area 10			
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL021	M	O	O	O	O	O	M	H	O	Outstanding
Geological Landscape	GWNDDGL109	H	H	H	O	H					High
Historic Landscape	GWNDDHL450	H	M	M	M	U					Moderate
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL549	O	O	H	O	H					Outstanding
	GWNDDHL721	M	M	M	H	H					Moderate
Landscape Habitats	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDDLH622	O	O	L	M	M	M	O	O		Outstanding
	GWNDDLH626	H	H	L	M	M	H	H	H		High
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS030	H	O	H	H						High
	GWNDDVS034	H	M	M	M						Moderate

A487 – south of Caernarfon										Character Area 11	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL008	H	H	M	M	H	H	H	H	H	High
	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL018	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL021	M	O	O	O	O	O	M	H	O	Outstanding
Geological Landscape	GWNDDGL108	H	M	H	H	H					High
	GWNDDGL109	H	H	H	O	H					High
Historic Landscape	GWNDDHL132	H	M	M	H	M					Moderate
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL549	O	O	H	O	H					Outstanding
Landscape Habitats	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDDLH626	H	H	L	M	M	H	H	H		High
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS021	L	L	L	L						Low
	GWNDDVS034	H	M	M	M						Moderate

Pen-y-Bryn								Character Area 12				
LANDMAP EVALUATION												
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation	
		1	2	3	4	5	6	7	8	9		
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding	
	GWNDDCL018	O	O	O	O	O	O	H	O	O	Outstanding	
Geological Landscape	GWNDDGL108	H	M	H	H	H					High	
	GWNDDGL109	H	H	H	O	H					High	
Historic Landscape	GWNDDHL124	M	M	M	M	H					Moderate	
	GWNDDHL462	O	H	H	O	H					High	
Landscape Habitats	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate	
	GWNDDLH626	H	H	L	M	M	H	H	H		High	
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate	
	GWNDDVS015	M	H	M	M						Moderate	

Fields southwest of Caeathro										Character Area 13	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDDCL018	O	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL108	H	M	H	H	H					High
	GWNDDGL109	H	H	H	O	H					High
Historic Landscape	GWNDDHL124	M	M	M	M	H					Moderate
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL549	O	O	H	O	H					Outstanding
	GWNDDHL850	H	H	M	H	O					High
	GWNDDHL897	L	M	L	M	H					Low
Landscape Habitats	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDDLH627	L	L	M	L	L	M	L	M		Low
	GWNDDLH629	H	H	L	M	M	M	H	H		High
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS015	M	H	M	M						Moderate

Caernarfon urban edge										Character Area 14	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDCL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDCL018	O	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDGL109	H	H	H	O	H					High
Historic Landscape	GWNDHL124	M	M	M	M	H					Moderate
	GWNDHL549	O	O	H	O	H					Outstanding
	GWNDHL850	H	H	M	H	O					High
Landscape Habitats	GWNDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDLH627	L	L	M	L	L	M	L	M		Low
	GWNDLH629	H	H	L	M	M	M	H	H		High
	GWNDLH650	L	L	L	L	M	L	M	U		Moderate
Visual and Sensory	GWNDVS006	M	L	M	M						Moderate
	GWNDVS015	M	H	M	M						Moderate
	GWNDVS016	M	M	H	H						Moderate

Afon Seiont valley										Character Area 15	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDDCL018	O	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL109	H	H	H	O	H					High
Historic Landscape	GWNDDHL124	M	M	M	M	H					Moderate
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL850	H	H	M	H	O					High
	GWNDDHL897	L	M	L	M	H					Low
Landscape Habitats	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDDLH627	L	L	M	L	L	M	L	M		Low
	GWNDDLH629	H	H	L	M	M	M	H	H		High
	GWNDDLH650	L	L	L	L	M	L	M	U		Moderate
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS015	M	H	M	M						Moderate
	GWNDDVS016	M	M	H	H						Moderate

Holiday Park										Character Area 16	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDDCL018	O	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL108	H	M	H	H	H					High
	GWNDDGL109	H	H	H	O	H					High
Historic Landscape	GWNDDHL175	H	H	M	M	U					High
	GWNDDHL462	O	H	H	O	H					High
	GWNDDHL549	O	O	H	O	H					Outstanding
	GWNDDHL850	H	H	M	H	O					High
	GWNDDHL897	L	M	L	M	H					Low
Landscape Habitats	GWNDDLH620	L	L	M	L	M	M	L	M		Moderate
	GWNDDLH627	L	L	M	L	L	M	L	M		Low
	GWNDDLH629	H	H	L	M	M	M	H	H		High
	GWNDDLH630	M	L	M	L	M	M	L	L		Moderate
	GWNDDLH650	L	L	L	L	M	L	M	U		Moderate
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS015	M	H	M	M						Moderate
	GWNDDVS016	M	M	H	H						Moderate

Afon Cadnant Plateau										Character Area 17	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL008	H	H	M	M	H	H	H	H	H	High
	GWNDDCL010	O	O	O	O	O	O	H	O	O	Outstanding
	GWNDDCL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDDCL018	O	O	O	O	O	O	H	O	O	Outstanding
Geological Landscape	GWNDDGL109	H	H	H	O	H					High
	GWNDDGL110	M	M	M	M	L					Moderate
Historic Landscape	GWNDDHL021	H	H	H	H	M					High
	GWNDDHL024	H	H	H	H	H					High
	GWNDDHL175	H	H	M	M	U					High
	GWNDDHL549	O	O	H	O	H					Outstanding
	GWNDDHL850	H	H	M	H	O					High
Landscape Habitats	GWNDDLH627	L	L	M	L	L	M	L	M		Low
	GWNDDLH629	H	H	L	M	M	M	H	H		High
	GWNDDLH650	L	L	L	L	M	L	M	U		Moderate
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate
	GWNDDVS015	M	H	M	M						Moderate
	GWNDDVS016	M	M	H	H						Moderate
	GWNDDVS017	M	L	L	L						Low

Bethel approaches										Character Area 18	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL011	O	O	O	M	O	H	H	O	O	Outstanding
Geological Landscape	GWNDDGL109	H	H	H	O	H					High
	GWNDDGL110	M	M	M	M	L					Moderate
Historic Landscape	GWNDDHL021	H	H	H	H	M					High
	GWNDDHL024	H	H	H	H	H					High
	GWNDDHL850	H	H	M	H	O					High
Landscape Habitats	GWNDDLH649	H	H	M	H	M	M	H	U		High
	GWNDDLH650	L	L	L	L	M	L	M	U		Moderate
Visual and Sensory	GWNDDVS006	M	L	M	M						Moderate

Plas Menai										Character Area 19	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDECL008	H	H	M	M	H	H	H	H	H	High
	GWNDDECL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDDECL014	O	M	H	L	M	L	L	M	O	Outstanding
	GWNDDECL017	H	L	H	L	M	M	L	M	H	High
Geological Landscape	GWNDGDL110	M	M	M	M	L					Moderate
	GWNDGDL111	H	H	H	H	M					High
Historic Landscape	GWNDHDL021	H	H	H	H	M					High
Landscape Habitats	GWNDDLH650	L	L	L	L	M	L	M	U		Moderate
Visual and Sensory	GWNDVDS006	M	L	M	M						Moderate
	GWNDVDS017	M	L	L	L						Low
	GWNDVDS086	M	H	M	M						Moderate

Menai Strait										Character Area 20	
LANDMAP EVALUATION											
Aspect	Aspect Area	Evaluation Criteria									Overall Evaluation
		1	2	3	4	5	6	7	8	9	
Cultural Landscape	GWNDDCL011	O	O	O	M	O	H	H	O	O	Outstanding
	GWNDDCL017	H	L	H	L	M	M	L	M	H	High
	YNSMNCL034	U	H	O	U	H	O	U	H	H	Outstanding
	YNSMNCL035	H	O	O	U	O	O	M	M	H	Outstanding
Geological Landscape	GWNDDGL111	H	H	H	H	M					High
	YNSMNGL048	M	L	L	L	L					Moderate
	YNSMNGL049	M	L	L	L	L					Moderate
	YNSMNGL106	H	H	M	M	M					High
Historic Landscape	GWNDDHL021	H	H	H	H	M					High
	YNSMNHL002	H	H	H	H	H					High
	YNSMNHL004	O	O	H	O	M					Outstanding
Landscape Habitats	GWNDDLH650	L	L	L	L	M	L	M	U		Moderate
	YNSMNLH060	L	L	M	U	M	M	L	M		Moderate
	YNSMNLH133	O	O	L	U	H	H	O	H		Outstanding
Visual and Sensory	GWNDDVS086	M	H	M	M						Moderate
	YNSMNVS021	M	H	M	M						Moderate
	YNSMNVS026	H	H	H	H						High
	YNSMNVS044	O	O	H	O						Outstanding
	YNSMNVS045	O	O	O	H						Outstanding

CULTURAL LANDSCAPE		
No.	Evaluation Criteria	Description
1	Recognition/transparency	The level to which the cultural elements of a landscape are commonly recognised
2	Period	How clearly a place shows 'period', either a particular period (historical or contemporary), or may embody multi-period evolution, or may embody flux and change.
3	Rarity	Some types of association/influence are rare in themselves, or only take place infrequently or at particular times (e.g. Royal Welsh Show, eisteddfodau) or have become less evident (e.g. coracle fishing). These should be noted. However, selections must also include the typical and commonplace.
4	Documentation	Significance and importance may be enhanced by the existence of records, descriptions or accounts, which may be written, visual or oral.
5	Group Value	The value of a single association/influence (such as a place-name) may be greatly enhanced by its connection with related associations (such as a folktale or a tradition) or with associations/influences of different periods. In some cases it is preferable to recognise the complete group of associations, including associated and adjacent areas or features, rather than to identify isolated associations within the group.
6	Survival	
7	Vulnerability	Important cultural evidence manifest in an association or practice can be lost or forgotten by indifference, neglect or lack of recording of the area or feature to which it relates; vulnerable associations/influences of this type should be identified.
8	Diversity	Is the Aspect Area significant because its cultural story / essence is complex or because of its sameness? Some associations may be identified because they represent a diverse cultural essence, others because they represent a single important cultural essence.
9	Potential	On occasion, the nature of the evidence cannot be specified precisely, but it may still be possible to document reasons anticipating its existence and importance and so to demonstrate the justification for identification. This is confined to indicative areas rather than precisely defined sites or upstanding features. The potential of non-recognised landscapes may therefore be higher over those already recognised.
-	Overall Evaluation	

GEOLOGICAL LANDSCAPE		
No.	Evaluation Criteria	Description
1	Research Value	
2	Educational Value	
3	Historical Value	
4	Rarity / Uniqueness	
5	Classic Example	
-	Overall Evaluation	

HISTORIC LANDSCAPE		
No.	Evaluation Criteria	Description
1	Integrity	The integrity of an Aspect Area relates to its overall 'completeness'. This is assessed by the visibility and legibility of the components or elements of the Dominant Landscape Pattern (at Level 3) or the Historic Landscape Detail (at Level 4). Greater visibility and legibility generally increase the potential for the historic landscape to be easily understood by the non-specialist and hence enhance its value. It is not necessarily about the physical survival of individual elements (which is quantified elsewhere), but about the overall survival of the landscape pattern or detail as measured through the identification of its components, which might be both physical (for example fields systems, archaeological features or buildings) and associative (for example particular institutions, cultural figures or historical events). It may even be that historical processes and patterns have been maintained, or continue, so that the Aspect Area retains much of its original character, thus also enhancing its Integrity.
2	Survival	This relates to the degree of survival of individual elements and components present in the Aspect Area. In instances where the original extent or numbers are known (for example, traditional field boundaries for which there may be detailed mapped evidence), it may be possible to measure this quantitatively, but failing this estimates should be made.
3	Condition	This relates to the condition of those elements and components that survive in the Aspect Area, as a measure of overall condition. It is therefore not the same as the survival of individual elements – 100% of an Aspects Area's components may survive but they may all be in a poor condition.
4	Rarity	This relates to the rarity of the Aspect Area. This should be assessed against the Aspect Areas of the same type in the study area, as long as the study area is of sufficient size to make the comparison meaningful. Producing thematic maps based on the hierarchical classification can assist with this assessment.
5	Potential	This relates to the potential within the landscape for future study and analysis and for the potential of elements that might be, or already are, developed as a public educational and recreational amenity.

HISTORIC LANDSCAPE		
No.	Evaluation Criteria	Description
-	Overall Evaluation	The Aspect Specialist should evaluate each Aspect Area according to the criteria and rationale above, and should assess the Level of intrinsic value against each criterion, and then accord an overall evaluation. To enable the overall evaluation to be determined, a crude mechanism would be to allow a score ranging from 1 for each Low (or Poor) to 4 for each Outstanding with each score then being added to the overall total. This gives an overall range from 5-20. This range of 16 points can be divided into four bands of four allowing the allocation of an Overall Evaluation thus.

LANDSCAPE HABITATS		
No.	Evaluation Criteria	Description
1	Priority Habitats	In particular, those most characteristic of the area, rarity in national context. Priority Habitats are explained in terms of those habitats most characteristic of the area, although where there are significant areas of high quality habitats for example SSSI's these should be described.
2	Significance	This addresses the issue of whether the Aspect Area contains a high % of national resource e.g. Is a habitat confined to the area or does the area have a high proportion of the national resource?
3	Opportunity	Opportunity is scored according to how easy it would be to enhance any existing moderate, high or outstanding habitats
4	Expansion rates	Increases in the semi-natural and valuable habitats and species assessed over the last 25 years
5	Sensitivity	How sensitive the area is to changes in land management and other practices that could adversely affect the biodiversity.
6	Connectivity/Cohesion	Describe how well the Aspect Area functions in terms of interconnection networks and corridors for native habitats, which will allow for species movements and protect and enhance biodiversity.
7	Habitat Evaluation	
8	Importance for key species	Is the area known to be of special significance for one or more important species?
-	Overall Evaluation Habitat and Species	This should be an overall assessment of how important the area is for both Habitats and species.

VISUAL AND SENSORY		
No.	Evaluation Criteria	Description
1	Scenic quality	The extent to which the area has scenes which are of a picturesque quality, demonstrating aesthetically pleasing elements in composition.

VISUAL AND SENSORY		
No.	Evaluation Criteria	Description
2	Integrity	The extent to which the area is in good condition, with consistent character throughout, and is generally unspoilt by large-scale, visually intrusive or other inharmonious development.
3	Character	The extent to which a distinct and recognisable pattern of elements, features and qualities occurs within the aspect area, to give a clear sense of place.
4	Rarity	The extent to which the area's visual & sensory character and/or features or qualities are rare/representative locally, regionally or nationally/internationally.
-	Overall Evaluation	This summary brings all the criteria text explanations together. This can either be a composite of all four justifications or a précis bringing out the key points. This will be used by various parties in the planning process and may be subject to close scrutiny.

Character Area	Aspect Area	Other Factors: Night Time Light Pollution?	There are attractive views...	What is the sense of place/local distinctiveness	Value	Condition	Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?	Scenic Quality	Integrity	Character	Rarity	Overall Evaluation	% of LCA area
1	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	10.22%
1	GWNDD VS011	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	85.91%
1	GWNDD VS020	Negligible	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	3.86%
2	GWNDD VS011	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	25.54%
2	GWNDD VS012	Negligible	...both in and out	Moderate	High	Unassessed	Not known	High	High	High	High	High	65.80%
2	GWNDD VS024	Negligible	....out	Moderate	High	Unassessed	Not known	High	High	High	Moderate	High	8.66%
3	GWNDD VS011	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	99.95%
3	GWNDD VS012	Negligible	...both in and out	Moderate	High	Unassessed	Not known	High	High	High	High	High	0.04%
3	GWNDD VS024	Negligible	....out	Moderate	High	Unassessed	Not known	High	High	High	Moderate	High	0.01%
4	GWNDD VS011	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	100.00%
5	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	0.54%
5	GWNDD VS011	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	95.79%
5	GWNDD VS022	Moderate	....out	Weak	Low	Unassessed	Not known	Low	Low	Low	Low	Low	3.66%

Character Area	Aspect Area	Other Factors: Night Time Light Pollution?	There are attractive views...	What is the sense of place/local distinctiveness	Value	Condition	Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?	Scenic Quality	Integrity	Character	Rarity	Overall Evaluation	% of LCA area
6	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	99.57%
6	GWNDD VS011	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	0.00%
6	GWNDD VS022	Moderate	....out	Weak	Low	Unassessed	Not known	Low	Low	Low	Low	Low	0.43%
6	GWNDD VS031	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	0.00%
6	GWNDD VS034	Moderate	....out	Moderate	Moderate	Unassessed	Not known	High	Moderate	Moderate	Moderate	Moderate	0.00%
7	GWNDD VS030	Negligible	...both in and out	Strong	High	Unassessed	Not known	High	Outstanding	High	High	High	0.25%
7	GWNDD VS031	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	0.00%
7	GWNDD VS034	Moderate	....out	Moderate	Moderate	Unassessed	Not known	High	Moderate	Moderate	Moderate	Moderate	99.74%
8	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	100.00%
9	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	2.27%
9	GWNDD VS021	Substantial	....out	Weak	Low	Unassessed	Not known	Low	Low	Low	Low	Low	0.10%
9	GWNDD VS030	Negligible	...both in and out	Strong	High	Unassessed	Not known	High	Outstanding	High	High	High	2.97%
9	GWNDD VS031	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	Moderate	Moderate	Moderate	94.65%

Character Area	Aspect Area	Other Factors: Night Time Light Pollution?	There are attractive views...	What is the sense of place/local distinctiveness	Value	Condition	Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?	Scenic Quality	Integrity	Character	Rarity	Overall Evaluation	% of LCA area
9	GWNDD VS034	Moderate	....out	Moderate	Moderate	Unassessed	Not known	High	Moderate	Moderate	Moderate	Moderate	0.01%
10	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	0.03%
10	GWNDD VS030	Negligible	...both in and out	Strong	High	Unassessed	Not known	High	Outstanding	High	High	High	0.00%
10	GWNDD VS034	Moderate	....out	Moderate	Moderate	Unassessed	Not known	High	Moderate	Moderate	Moderate	Moderate	99.97%
11	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	99.39%
11	GWNDD VS021	Substantial	....out	Weak	Low	Unassessed	Not known	Low	Low	Low	Low	Low	0.61%
11	GWNDD VS034	Moderate	....out	Moderate	Moderate	Unassessed	Not known	High	Moderate	Moderate	Moderate	Moderate	0.00%
12	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	97.64%
12	GWNDD VS015	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	2.36%
13	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	100.00%
13	GWNDD VS015	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	0.00%
14	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	4.62%
14	GWNDD VS015	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	3.19%

Character Area	Aspect Area	Other Factors: Night Time Light Pollution?	There are attractive views...	What is the sense of place/local distinctiveness	Value	Condition	Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?	Scenic Quality	Integrity	Character	Rarity	Overall Evaluation	% of LCA area
14	GWNDD VS016	Substantial	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	High	High	Moderate	92.18%
15	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	0.97%
15	GWNDD VS015	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	78.89%
15	GWNDD VS016	Substantial	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	High	High	Moderate	20.14%
16	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	44.52%
16	GWNDD VS015	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	55.36%
16	GWNDD VS016	Substantial	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	High	High	Moderate	0.12%
17	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	99.82%
17	GWNDD VS015	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	High	Moderate	Moderate	Moderate	0.15%
17	GWNDD VS016	Substantial	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	Moderate	High	High	Moderate	0.03%
17	GWNDD VS017	Moderate	....out	Moderate	Low	Unassessed	Not known	Moderate	Low	Low	Low	Low	0.00%
18	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	100.00%
19	GWNDD VS006	Slight	...both in and out	Moderate	Moderate	Fair	Not known	Moderate	Low	Moderate	Moderate	Moderate	35.92%

Character Area	Aspect Area	Other Factors: Night Time Light Pollution?	There are attractive views...	What is the sense of place/local distinctiveness	Value	Condition	Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?	Scenic Quality	Integrity	Character	Rarity	Overall Evaluation	% of LCA area
19	GWNDD VS017	Moderate	....out	Moderate	Low	Unassessed	Not known	Moderate	Low	Low	Low	Low	64.08%
19	GWNDD VS086	Negligible	....out	Moderate	Moderate	Unassessed	Not known	Moderate	High	Moderate	Moderate	Moderate	0.00%
20	GWNDD VS086	Negligible	....out	Moderate	Moderate	Unassessed	Not known	Moderate	High	Moderate	Moderate	Moderate	24.32%
20	YNSMN VS021	Slight	....out	Moderate	Moderate	Unassessed	Not known	Moderate	High	Moderate	Moderate	Moderate	0.05%
20	YNSMN VS026	Slight	...both in and out	Strong	High	Unassessed	Not known	High	High	High	High	High	0.19%
20	YNSMN VS044	Negligible	...both in and out	Strong	Outstanding	Unassessed	Not known	Outstanding	Outstanding	High	Outstanding	Outstanding	34.13%
20	YNSMN VS045	Negligible	...both in and out	Strong	Outstanding	Unassessed	Not known	Outstanding	Outstanding	Outstanding	High	Outstanding	41.31%
21	YNSMN VS018	Slight	...both in and out	Moderate	Moderate	Unassessed	Not known	Moderate	High	Moderate	Low	Moderate	5.34%
21	YNSMN VS021	Slight	....out	Moderate	Moderate	Unassessed	Not known	Moderate	High	Moderate	Moderate	Moderate	11.12%
21	YNSMN VS026	Slight	...both in and out	Strong	High	Unassessed	Not known	High	High	High	High	High	82.24%
21	YNSMN VS044	Negligible	...both in and out	Strong	Outstanding	Unassessed	Not known	Outstanding	Outstanding	High	Outstanding	Outstanding	0.01%
21	YNSMN VS045	Negligible	...both in and out	Strong	Outstanding	Unassessed	Not known	Outstanding	Outstanding	Outstanding	High	Outstanding	0.01%
21	YNSMN VS079	Slight	....out	Weak	Low	Unassessed	Not known	Low	Low	Low	Moderate	Low	1.28%

Appendix D.2 – Visual Impact Schedule of Affected Properties

Appendix D.2

Visual Impact Schedule of Affected Properties (VIS)

To be read in conjunction with Visual Impact Drawings, Figures 7.10a and 7.10b

No	Property	Approx No of homes	Distance to centreline of road (m)	Nature of existing view	Quality of Existing View	Degree of Visual Impact (Adverse)		
						Year 1 (On completion)	Year 15 (Winter)	Year 15 (Summer)
1	Fferm Porth/ Glanllyn	2	2,100	Rural, enclosed by vegetation, glimpsed views to Menai Strait	Attractive	No Change	No Change	No Change
2	Porthamel Old Farmhouse	1	2,080	Rural, enclosed by vegetation, glimpsed views to Menai Strait	Attractive	No Change	No Change	No Change
3	Porthamel Mews, Plas Porthamel	2	2,075	Rural, enclosed by vegetation, glimpsed views to Menai Strait	Attractive	No Change	No Change	No Change

4	The Coach House	1	2,070	Rural, enclosed by vegetation, glimpsed views to Menai Strait	Attractive	No Change	No Change	No Change
5	Porthamel Lodge	1	2,640	Primarily northern views, glimpsed views to uplands to the south	Moderate	No Change	No Change	No Change
6	Fodol	1	2,630	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
7	Ffridd Bach	4	2,520	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
8	Tan-y-Bryn	1	2,562	Extensive views to the north, those to the south screened by vegetation	Moderate	No Change	No Change	No Change
9	Ysgubor Fawr	1	2,414	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change

10	Ffridd Fawr	1	2,226	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change
11	Ty'n Ffridd	1	2,392	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change
12	Llwyn Idris	1	2,417	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
13	Meini Gwynion	1	1,758	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change
14	Ty'n-cae	1	1,472	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change
15	Hedsor Idan	1	1,433	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change
16	Meini Gwynion	1	1,804	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change

17	Bryn Llwyd	1	1,770	Views to the south over Menai Strait and distant uplands	Attractive	Slight	Slight	No Change
18	Boathouse	1	1,170	View across the Menai Strait to opposite shore	Very Attractive	Slight	Slight	No Change
19	Llanidan, Llanidan House/ The Cottage / St Nidans Church	4	1,480	View across the Menai Strait to opposite shore	Very Attractive	Slight	Slight	No Change
20	Llan Idan Farm	1	1,713	Filtered views to Menai Straits and beyond	Attractive	No Change	No Change	No Change
21	Llanidan Lodge	1	2,245	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
22	Hen Ysgol/ Rhondda	2	2,349	Views to the south to distant uplands	Attractive	No Change	No Change	No Change
23	Ty-poeth	1	2,191	Views to the south to distant uplands	Attractive	No Change	No Change	No Change
24	Nos 1-6 Bryn Llywelyn	6	2,380	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change

25	Y Graig	1	2,399	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
26	Ty Croes	1	2,383	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
27	Pengroes	1	2,454	Southern views limited by vegetation and topography	Moderate	No Change	No Change	No Change
28	White Hall	1	2,490	Southern views limited by vegetation and topography	Moderate	No Change	No Change	No Change
29	Ystrad-Awel	1	2,200	Principal views to NE and SW	Moderate	No Change	No Change	No Change
30	Ystrad-Awel	1	2,200	Views to the south over Menai Strait and distant uplands	Moderate	Slight	Slight	No Change
31	Brynsiencyn	41	2,455 - 2,465	Glimpsed southern views limited by adjacent buildings	Moderate	No Change	No Change	No Change

32	Brynsiencyn southern fringe & Nos 1-4 Cader Idan	24	2,465 - 2,375	Panoramic views over Menai Strait and uplands beyond	Attractive	Slight	Slight	No Change
33	Cae coch	1	2,400	Views over Menai Strait and uplands beyond filtered by vegetation	Attractive	No Change	No Change	No Change
34	Erw Goch	1	2,390	Views to the south over Menai Strait and distant uplands	Attractive	No Change	No Change	No Change
35	Isfryn	1	2,460	Views over Menai Strait and uplands beyond filtered by vegetation	Attractive	No Change	No Change	No Change
36	Tyddyn-Nathaniel	1	2,430	Views over Menai Strait and uplands beyond filtered by vegetation	Moderate	No Change	No Change	No Change
37	Ty Coch	1	2,420	View to the uplands to the south, Menai Strait screened by vegetation and topography	Attractive	No Change	No Change	No Change

38	Hafod	1	2,613	Views over Menai Strait and uplands beyond filtered by vegetation	Moderate	No Change	No Change	No Change
39	Cefn Arthen	1	2,490	Views over Menai Strait and uplands beyond filtered by vegetation	Moderate	No Change	No Change	No Change
40	Plas Trefarthen/ Trefarthen	2	2,170	Panoramic views over Menai Strait and uplands beyond	Very Attractive	Slight	Slight	No Change
41	Bodlawen	1	2,640	Views over Menai Strait and uplands beyond	Attractive	No Change	No Change	No Change
42	Taicochion	1	2,790	Views over Menai Strait and uplands beyond, focused to the the SE by vegetation	Attractive	No Change	No Change	No Change
43	Yr Unicorn	1	2,420	Panoramic views over Menai Strait and uplands beyond	Very Attractive	No Change	No Change	No Change

44	Barras Bach	1	2,440	Panoramic views over Menai Strait and uplands beyond	Very Attractive	No Change	No Change	No Change
45	Barras	2	2,520	Panoramic views over Menai Strait and uplands beyond	Very Attractive	No Change	No Change	No Change
46	Mill Cottage/ Felin-y-Foel/ Arlanfor	3	2,910	Panoramic views over Menai Strait and uplands beyond	Very Attractive	No Change	No Change	No Change
47	Glyn Afon	1	2,970	Views over Menai Strait and uplands beyond filtered by vegetation	Attractive	No Change	No Change	No Change
48	Ty Sarn	1	2,950	Panoramic views over Menai Strait and uplands beyond	Very Attractive	No Change	No Change	No Change
49	Foel Farm	1	3,120	Views over Menai Strait and uplands beyond restricted by vegetation	Attractive	No Change	No Change	No Change

50	Swn Y Mor	1	400	Views focussed to the north across the Menai Strait	Very Attractive	No Change	No Change	No Change
51	Isgaer	1	220	Views focussed to the north across the Menai Strait	Attractive	No Change	No Change	No Change
52	Groeslon Cottage	1	50	Views focussed to the north but influenced by adjacent highway	Moderate	Moderate	Slight	No Change
53	Griffiths' Crossing Cottage	1	30	Views focussed to the north but influenced by adjacent highway	Moderate	Moderate	Slight	No Change
54	Parciau Farm & Holiday Cottages	8	250	Views focussed to the NW by scarp slope	Moderate	No Change	No Change	No Change
55	Bryn	1	460	Views focussed to the north across the Menai Strait	Attractive	No Change	No Change	No Change
56	Nos 1-2 Bryn Cottages	2	660	Main view to SE to dramatic uplands	Attractive	Slight	Slight	No Change

57	Crug Farm	1	160	Main view to SE to dramatic uplands, tightly enclosed by surrounding vegetation	Attractive	No Change	No Change	No Change
58	Tyddyn Hen	1	220	View over low-lying ground to the east, including adjacent roundabout	Moderate	Moderate	Moderate	Slight
59	Pengelli Isaf/ Annedd Eryrl	2	315	Views over open countryside restricted by adjacent farm buildings	Moderate	Moderate	Moderate	Slight
60	Pen-y-Gelli	1	750	Views focussed to the open plain to the north	Moderate	No Change	No Change	No Change
61	Madryn	1	860	Views focussed to the south across open countryside	Moderate	Moderate	Moderate	Slight
62	Hillside Lodge	1	1,060	Views across adjacent road to open fields	Moderate	No Change	No Change	No Change

63	Lon Glai Farm	1	200	View across very open and broad fieldscape	Moderate	Substantial	Moderate	Moderate
64	Tyddyn-slaters	1	220	Views over countryside restricted by enclosing vegetation	Moderate	Moderate	Slight	Slight
65	Tyddyn Bistle	1	50	Views over countryside restricted by enclosing vegetation	Moderate	Substantial	Substantial	Moderate
66	Kent	1	120	Outward views restricted by farm buildings, focussed to the south	Moderate	Slight	No Change	No Change
67	Bodrual	1	90	View across fields to Industrial Estate	Ordinary	Substantial	Substantial	Moderate
68	Glan Gwna Holiday Park - west	75	0 - 200	Enclosed woodland valley views	Moderate	Substantial	Substantial	Substantial
69	Glan Gwna Holiday Park - east	350	80 - 610	Enclosed woodland valley views	Moderate	Moderate	Slight	Slight

70	Glan Gwna Lodge	1	300	Tightly enclosed by trees and woodland within a valley landscape	Attractive	Substantial	Moderate	Moderate
71	Glan Gwna Hall	1	430	View across estate landscape to wooded valley beyond	Attractive	Moderate	Slight	Slight
72	The Gamekeepers Cottage	1	440	Heavily enclosed by vegetation with filtered views across Seiont valley	Moderate	Moderate	Slight	Slight
73	South-west Caernarfon	475	460 - 960	Urban views but with a countryside backdrop	Moderate	Slight	No Change	No Change
74	Bro Seiont	56	400 - 600	Urban fringe views over wooded valley beyond	Ordinary	Slight	No Change	No Change

75	Plas Treflan	1	80	Views enclosed within the surrounding estate landscape and mature trees	Attractive	Substantial	Substantial	Moderate
76	Bryn Eden	1	160	Elevated view to the south and west over open fieldscape with mature trees	Attractive	Substantial	Substantial	Moderate
77	Mur Matthew/ Tryfan	5	320	Views to woodland valley setting and open fields to the south	Moderate	Slight	No Change	No Change
78	Ty Newydd/ Fron deg/ Cefn Gwern/ Bron Gwna/ Erw Wen/ Stad Glandwr	28	440 - 630	Views enclosed with the sub-urban setting of gardens and vegetated boundaries	Moderate	No Change	No Change	No Change
79	Nos 1-10 Bryn-y-gof	10	440 - 550	Sub-urban setting with outward views to rolling landscape beyond	Attractive	Moderate	Moderate	Slight

80	Penrhos	1	260	Elevated view to the north west and Caernarfon, heavily filtered by intervening trees	Attractive	Substantial	Moderate	Moderate
81	Hafod Wen	1	250	Elevated view to the north west and Caernarfon, heavily filtered by intervening trees	Attractive	Moderate	Moderate	Slight
82	Bryn Eglwys	1	230	Elevated view to the north west and Caernarfon, heavily filtered by intervening trees	Attractive	Moderate	Moderate	Slight
83	Cae Philip, Glyn, Lyn Lea	4	70 - 80	Enclosed short range views to wooded valley setting	Attractive	Substantial	Substantial	Moderate
84	Rhyddallt Ganol	2	220	Elevated view over fields and woodland edge	Attractive	Substantial	Substantial	Moderate

85	Cae Hopsyn/ Tremarfon	2	180	Elevated views over fields and woodland edge, filtered by adjacent vegetation	Moderate	Substantial	Substantial	Moderate
86	Rhyddallt Bach	1	140	Elevated view over small and enclosed valley fieldscape	Attractive	Substantial	Substantial	Moderate
87	Bryn Mafon	1	230	Hill top position with views all around over countryside setting	Attractive	Substantial	Moderate	Slight
88	Pen Y Bryn Road cul-de-sac	5	250 - 340	Sub-urban setting with views to the south over a rural valley landscape	Attractive	Moderate	Moderate	Slight
89	Nos 19-23 Parc Muriau	5	370 - 430	Views enclosed with the sub-urban setting of gardens and vegetated boundaries	Ordinary	No Change	No Change	No Change

90	Pen Y Bryn Lodge	1	260	Filtered views to open countryside through boundary vegetation	Moderate	No Change	No Change	No Change
91	Gwesty Parc Muriau (Muriau Park Guest House)	1	190	Primarily southern views across rolling countryside and adjacent road corridor	Moderate	Moderate	Moderate	Slight
92	Hen Dy, Y Deri	2	220	Northern and western views over open countryside	Moderate	No Change	No Change	No Change
93	Tyddyn-du/ Tyddyn-Gwyn	2	120	Primarily western views over open countryside	Attractive	Substantial	Moderate	Moderate
94	Tyddyn Lodge	1	120	Views along adjacent road corridor	Ordinary	Substantial	Slight	Slight
95	Meifod	1	270	Elevated views across open countryside and adjacent road corridor	Attractive	Moderate	Slight	Slight

96	Rhosdican Farm	1	330	Views over adjacent open fields	Moderate	No Change	No Change	No Change
97	Plas Rhosdican	1	370	Views over open countryside restricted by adjacent vegetation and farm buildings	Moderate	Moderate	Slight	Slight
98	Ceriw	1	250	Elevated position with primary views to the east, views to the west restricted by vegetation	Attractive	Moderate	Slight	Slight
99	Tyn Llidiart, Hen-dy cottage	2	580	Southern views over lowland valley fields and adjacent railway line	Attractive	No Change	No Change	No Change
100	Pant Farm	1	530	Southern views over lowland valley fields and adjacent railway line	Attractive	No Change	No Change	No Change

101	Ty gwyn-bach	1	470	Outward views highly restricted by surrounding vegetation	Moderate	No Change	No Change	No Change
102	Fron-goch	1	470	Outward views highly restricted by surrounding vegetation	Moderate	No Change	No Change	No Change
103	Bronydd	1	360	Open westward views across open lowland valley fields and beyond	Attractive	No Change	No Change	No Change
104	Glan Beuno/ Erw Deg	13	250 - 270	North-westerly views from elevated ridgeline across rolling countryside	Attractive	Substantial	Substantial	Moderate
105	Bryn Teg/ Ferndale/ Tywyn	3	180 - 230	North-easterly views across open fields, restricted by hedgerows	Attractive	Moderate	Slight	Slight
106	Cefnwerthyd Farm	1	190	Elevated position over open countryside to the north	Attractive	Substantial	Moderate	Moderate

107	Hendy/ Cae Derwen	2	950	Elevated position with views to the north to the coast, southern views highly restricted by adjacent farm buildings	Attractive	No Change	No Change	No Change
108	Ty'rallt Farm	1	780	Elevated position with views to the south and east	Attractive	Moderate	Moderate	Slight
109	Sarn-dwr-gawr	1	230	Views enclosed by railway embankment and riverside vegetation	Moderate	No Change	No Change	No Change
110	Tyddyn-Alice Farm	1	1,030	Elevated position with panoramic views, particularly over the Menai Strait	Very Attractive	Slight	No Change	No Change
111	Pen-y-bryn	2	770	Elevated position with views to the south and east	Attractive	Moderate	Moderate	Slight

112	Glanyrafon-bach	1	210	Views primarily to the south east enclosed by riverside vegetation	Moderate	No Change	No Change	No Change
113	Ty Helyg	1	560	Outward views to surrounding low lying countryside restricted by vegetation	Attractive	No Change	No Change	No Change
114	Caegwynedd/ Merddyn	4	80	Rear views over fields to the north west	Attractive	Substantial	Substantial	Substantial
115	Cae Samuel/The Cottage	2	210	Outward views within flat landscape restricted by field boundaries	Attractive	Moderate	Moderate	No Change
116	Cefn-y-coed-uchaf	1	1,120	Elevated position with views to the south and east	Very Attractive	Slight	No Change	No Change
117	Cefn-y-coed	1	870	Outward views highly restricted by surrounding vegetation	Attractive	No Change	No Change	No Change

118	Gwynfryn/ Pen-bryngwyn/ Brynneuadd	3	170	Views to the south east from an elevated position overlooking a small river valley	Attractive	Substantial	Substantial	Moderate
119	Bryn Eglwys	1	220	Primary view to the north west over adjacent fields and including nearby properties	Moderate	No Change	No Change	No Change
120	Cae Meillion	1	300	Primary view to the north west over adjacent fields	Moderate	No Change	No Change	No Change
121	Cae-rhos	1	290	Views to both the north west and south east	Moderate	No Change	No Change	No Change
122	Efail Rhos	1	440	Outward views restricted by vegetation and topography	Moderate	No Change	No Change	No Change
123	Fron	1	1,040	Extensive views over countryside to the south	Very Attractive	Slight	No Change	No Change

124	Dolwen	1	340	Views to both the north west and south east	Moderate	No Change	No Change	No Change
125	Bro Dawel	1	320	Primary view to the east over adjacent fields to nearby properties	Moderate	Slight	Slight	No Change
126	Bryn Derw	1	410	Extensive view to the west to distant ridge	Attractive	No Change	No Change	No Change
127	Dyffryn	1	780	Views to surrounding low-lying landscape	Attractive	No Change	No Change	No Change
128	Nos 1-6 Tai Magdalen	6	390	Extensive view to the west to distant ridge, restricted by roadside hedgerow	Moderate	No Change	No Change	No Change
129	Fron Lodge	1	1,020	Views to surrounding low-lying landscape	Attractive	Slight	No Change	No Change

130	Pantle Freeholder	1	680	Views to surrounding low-lying landscape restricted by adjacent vegetation	Moderate	No Change	No Change	No Change
131	Gwelfa	1	420	Primary view to the east over adjacent fields and including nearby properties	Moderate	No Change	No Change	No Change
132	No 1 - 2 Glan-llyn	2	390	View to the east over adjacent fields and to the west to nearby properties and road	Moderate	No Change	No Change	No Change
133	Parciau	1	400	Extensive rear view over countryside.	Attractive	No Change	No Change	No Change
134	Tan-y-graig	1	1,300	Extensive views to the south and west over countryside and to the coast	Very Attractive	No Change	No Change	No Change

135	Cae'r Efail	1	950	Panoramic views over coastal plain and to the sea	Very Attractive	No Change	No Change	No Change
136	Bryn Awelon	1	740	Views over large fields of coastal plain	Attractive	No Change	No Change	No Change
137	Fron Olau	1	430	Views to both east and west over fields and hedgerows	Attractive	Slight	Slight	No Change
138	Glanrafon Fawr	1	200	Views over river floodplain restricted by adjacent riverside vegetation	Attractive	Substantial	Moderate	Moderate
139	Maes Helen Bach, Maes Helen	2	460	Primary view to the west over field pattern	Moderate	No Change	No Change	No Change
140	Pen-Y-Parc	1	840	Panoramic views over coastal plain and to the sea	Attractive	No Change	No Change	No Change
141	Bryn-Gwyrfa	1	530	Views to the east over fields and hedgerows	Attractive	Slight	No Change	No Change

142	Glanrafon Isaf	1	200	Views over river floodplain restricted by adjacent riverside vegetation	Attractive	Substantial	Moderate	Moderate
143	Plas Dinas Hotel	1	430	Elevated position with filtered views over the coastal plain to the west	Attractive	Slight	Slight	No Change
144	Nos 1-6 Gerddi Benar and adjacent properties on A487	22	780 - 910	Principal view to the west over the A487 to coastal plain below and sea beyond, filtered by mature trees and woodland	Moderate	Slight	No Change	No Change
145	Hen Efail/ Y Wern	2	720	Principal view to the west over the A487 to coastal plain below and sea beyond, filtered by mature trees and woodland	Moderate	Slight	No Change	No Change

146	Glan-y-mor	1	1,890	Panoramic views over the coastal plain and seascape	Very Attractive	No Change	No Change	No Change
147	Cefn-ynysoedd	1	1,730	Panoramic views over the coastal plain and seascape, partially restricted by adjacent vegetation	Very Attractive	No Change	No Change	No Change
148	Belan View	1	1,180	Primary view to the south over countryside with coast to the west	Attractive	No Change	No Change	No Change
149	Dinas Farm	1	450	Principal view to the west over lower lying countryside of hedgerow-bounded fields	Attractive	Substantial	Moderate	Moderate
150	Ddol Farm	1	1,100	Views to rolling countryside to the east	Moderate	Slight	No Change	No Change
151	Tyddyn Dafydd	1	840	Highly enclosed views alongside river corridor	Attractive	No Change	No Change	No Change

152	Ty-uchaf/ Llain Ffynnon/ Beudy	3	470 - 520	Views to surrounding countryside restricted by hedgerows and boundary vegetation	Attractive	Moderate	Moderate	Slight
153	Ty Cerrig	1	580	Views to the west and along adjacent riverbank	Attractive	No Change	No Change	No Change
154	Geufron	1	260	Elevated position overlooking coastal plain to the west but restricted by farm buildings	Moderate	Moderate	Slight	Slight
155	Nos 1-10 Dinas Cottages	10	440	Outward views restricted by vegetation and topography	Attractive	No Change	No Change	No Change

156	Dinas	29	500 - 590	Views contained within immediate urban surroundings by buildings, vegetation and topography	Ordinary	Slight	No Change	No Change
157	Tyn Llan 1-9/ Idloes/ Tre Wyndaf	11	220 - 400	Views to both the south and north over open fields and urban fringe	Moderate	No Change	No Change	No Change
158	Morogoro	1	60	Expansive views over the coastal plain and to the sea	Very Attractive	Substantial	Moderate	Moderate
159	Nos 1-4 & 12-20 Penrallt	13	730 - 800	Views to east over open fields and rising ground beyond	Moderate	Moderate	Slight	Slight
160	Nos 5-11 Penrallt	7	780 - 810	Rear views to the coast and internal suburban views	Moderate	No Change	No Change	No Change
161	Bont Faen	1	880	Broad views to the east over open farmland	Attractive	Slight	Slight	No Change

162	Cae Eithin/ Llwyn Eithin	2	1,390	Extensive views to the west over the coastal plain to the shoreline	Attractive	No Change	No Change	No Change
163	The White House	1	1,530	Extensive views to the west over the coastal plain to the shoreline	Attractive	No Change	No Change	No Change
164	Penrhyn/ Penrhyn Bach	2	1,540	Extensive views to the west over the coastal plain to the shoreline	Attractive	No Change	No Change	No Change
165	Foryd	1	1,400	Extensive views to the west over the coastal plain to the shoreline	Attractive	No Change	No Change	No Change
166	Uwch Menai 1-4/ Bryn Saron/ Awelfor/ Ty Capel	7	810 - 850	Views to surrounding countryside restricted by adjacent buildings and boundary vegetation	Moderate	No Change	No Change	No Change

167	Glanrhyd	22	350 - 490	Views to surrounding countryside restricted by adjacent buildings and boundary vegetation	Moderate	No Change	No Change	No Change
168	Tegannedd/ Glanrhyd Isaf/ Rhyd y Wern	3	270 - 340	Views to south and west over open fields	Attractive	Slight	Slight	No Change
169	Plas	2	270	Expansive views over the coastal plain below and to the sea beyond	Attractive	No Change	No Change	No Change
170	Trosterfyn	1	990	Views to surrounding countryside, restricted by boundary vegetation	Attractive	No Change	No Change	No Change
171	Penybryn	1	1,040	Views primarily to the south over extensive fieldscape	Attractive	No Change	No Change	No Change

172	Tai Newyddion, Beulah	2	950	Views to surrounding countryside to the west, restricted by boundary vegetation	Attractive	No Change	No Change	No Change
173	Glan Gwyfrai	1	1,250	Extensive views to the north over adjacent fields and farms	Attractive	No Change	No Change	No Change
174	Cae Fadog	1	1,550	Primary views to the west to the coastline and surrounding countryside	Attractive	No Change	No Change	No Change
175	Glandwr/Hen Foryd	2	1,630	Extensive view across shoreline	Very Attractive	No Change	No Change	No Change
176	Pengwern	1	1,190	Extensive views to both the east and west and over open countryside and coastline	Attractive	Slight	Slight	No Change
177	Rhos-ysgawen	1	830	Extensive views to both the east and west over open countryside	Attractive	Slight	Slight	No Change

178	Garth	1	320	Views towards the east, restricted by boundary vegetation	Moderate	No Change	No Change	No Change
179	Parc	1	50	Views to the east over countryside, filtered by boundary trees and vegetation	Attractive	Substantial	Substantial	Moderate
180	Rhyd Galed	1	720	Outward views limited by adjacent buildings	Moderate	No Change	No Change	No Change
181	Nos 1-4 Tai'n-lon + 1 property	5	1100 - 1150	Primary views over fields to the west, with eastward views limited by vegetation	Moderate	No Change	No Change	No Change
182	Gwern	1	1,290	Views to the north-east and south-west over open fields and to the coast	Attractive	Slight	Slight	No Change

183	Felinwnda/ Rhyd-y-felin	2	590	Outward views restricted by vegetation and topography	Attractive	No Change	No Change	No Change
184	Maen-gwyn	1	250	Primary views to the east over countryside, frontage view to A487 and associated vegetation	Moderate	No Change	No Change	No Change
185	Y Bryn	1	410	Views all around over rolling countryside	Moderate	No Change	No Change	No Change
186	Garth-y-glo/ Ael y Garth	2	580	Views to the west over A487 corridor and countryside beyond	Ordinary	No Change	No Change	No Change
187	Caer Moel	1	880	Views to the east over rolling countryside	Attractive	No Change	No Change	No Change
188	Plas Bodaderi	1	1,360	Views to the east over rolling countryside	Attractive	No Change	No Change	No Change

189	Dolellog	1	1,040	Views to the north-west over rolling countryside	Attractive	No Change	No Change	No Change
190	Graeanfryn/ Llys Ceirios/ Arfon/ Nos 1-6 Tan-y-cefn	9	80 - 160	Views to the east over road corridor, rear views elevated over countryside below, filtered by vegetation	Moderate	Substantial	Moderate	Moderate
191	Plas y Coed	1	270	Elevated position with views over open countryside to the east and west	Attractive	Substantial	Moderate	Moderate
192	Gwylfa Farm	1	330	Views to the east over fields and hedgerows, filtered by vegetation	Moderate	Moderate	Slight	Slight
193	Unknown Name	1	760	View to open countryside to the north and east	Attractive	No Change	No Change	No Change

194	Tyddyn-bychan	1	860	View to open countryside to the north and east	Attractive	No Change	No Change	No Change
195	Tyddyn-seipar	1	1,250	Expansive views over open fields and hedgerows	Attractive	No Change	No Change	No Change
196	Pentre	1	1,560	Extensive views to the east and west over the coastal plain and to the sea	Attractive	No Change	No Change	No Change
197	Cae-Buckley/ Hermione	2	1,520	Views to the south and east over rolling countryside	Attractive	No Change	No Change	No Change
198	Ty-hên	1	220	Views from an elevated position to the north over rolling countryside to the sea beyond, restricted by adjacent farm buildings	Moderate	Substantial	Moderate	Moderate

199	Nos 1-8 Tai Gwel-y-don/ Goat Hotel	9	110 - 160	Outward views restricted by adjacent buildings and vegetation	Ordinary	Slight	Slight	Slight
200	Tanronnen / Fron Derw/ Tir Castle	3	170 - 190	Outward views restricted by adjacent buildings and vegetation	Ordinary	No Change	No Change	No Change
201	Rhedynog Felen/ Rhedynog/ Dinas y Pryf/ Taliesin	4	670 - 780	Views over countryside primarily to the east	Attractive	No Change	No Change	No Change
202	Tyn-rhos	1	1,500	Views to the east over open countryside, restricted to the west by farm buildings	Attractive	No Change	No Change	No Change
203	White Tower Caravan Park	160	1770 - 1930	Primarily internal views within caravan park	Ordinary	No Change	No Change	No Change
204	Ty-mawr	1	1,630	Extensive views over flat countryside of coastal plain	Attractive	No Change	No Change	No Change

205	Cae Glas	1	1,140	Views primarily to the north, restricted by topography and adjacent farm buildings	Moderate	No Change	No Change	No Change
206	Bryn Aber/Arfryn/Coetmor/Pen-y-boncyn/Caithness	5	570	Views over fields to the south and the coast to the west	Moderate	No Change	No Change	No Change
207	Pont Wyled/ Min Afon	2	470	Views restricted by topography within the A499 corridor context	Moderate	No Change	No Change	No Change
208	Hen gastell	1	380	Outward views restricted by surrounding topography and vegetation	Moderate	No Change	No Change	No Change
209	Hendre/ Y Goeden Eirin	2	400	Views to surrounding countryside and distant sea, excluding coastal plain below	Moderate	No Change	No Change	No Change

210	Y Bythyn/ Efail-dolydd/ Penrallt	3	350 - 450	Views to surrounding countryside and distant sea, excluding coastal plain below	Moderate	No Change	No Change	No Change
211	Maen Coch	8	310	Views restricted to the east by topography, over rolling countryside to distant uplands	Attractive	No Change	No Change	No Change
212	Plas Cefn Coch	1	240	Elevated position with views all around, to uplands and the sea	Attractive	Slight	Slight	Slight
213	Gadlys	1	840	Panoramic view over coastal plain to the west and to the sea beyond	Attractive	No Change	No Change	No Change

214	Glan Menai	1	2,010	Broad views across the coastal plain to the east and to the coast to the west	Attractive	No Change	No Change	No Change
215	Unknown Name	1	1,730	Views to the north and south across open field pattern of coastal plain	Attractive	No Change	No Change	No Change
216	Rhedynog Felen Fawr	1	1,170	Views focussed to the west by topography, across coastal plain and to the sea beyond	Attractive	No Change	No Change	No Change
217	Min Awel	1	1,070	Views to both east and west over fields and hedgerows	Very Attractive	No Change	No Change	No Change
218	Benallt	1	640	Views restricted by topography within the A499 corridor context	Moderate	No Change	No Change	No Change
219	Yr Hen Stabl (The Stables)/ Plas Ffynnon	1	610	Views to west to distant coast and over A499 corridor	Attractive	No Change	No Change	No Change

220	Chatham Farm/ Bryn Teg/ Brwnog/ Blythe Farm/ Chatham-Bach/ Penrhos	6	2080 - 2280	Views to coastal plain restricted by surrounding vegetation and adjacent buildings	Moderate	No Change	No Change	No Change
221	Bron Wylfa	1	1,380	Views primarily to the south over fields, restricted by boundary vegetation	Attractive	No Change	No Change	No Change
222	Buungalow Farm/ Chatham Log Cabins	32	1880 - 2010	Outward views highly restricted by surrounding vegetation	Moderate	No Change	No Change	No Change
223	Cefn Rhengwrt	1	1,950	Views to the west over adjacent fields, otherwise restricted by adjacent farm buildings	Moderate	No Change	No Change	No Change

224	Ty'n y Maes	1	1,360	Views to the south over adjacent fields, otherwise restricted by adjacent farm buildings	Attractive	No Change	No Change	No Change
225	Ty'n Ion	16	1030 - 1160	Front views to adjacent properties along A499, rear views to countryside and the coast	Moderate	No Change	No Change	No Change
226	Glan-yr-afon	1	2,170	Extensive views over open coastal landscape and field patterns	Attractive	No Change	No Change	No Change
227	Cae-Meddyg/Bro Dawel	2	1,960	Views to the west over open fields and their hedge boundaries	Attractive	No Change	No Change	No Change
228	Dol Meredyth/ Pont Pant-y-rhedyn	5	1,730	Largely enclosed views within this riverside setting	Attractive	No Change	No Change	No Change

229	Cae Berllan/ Mount Hazel	2	1,320	Views to the south and east over rolling countryside to distant uplands	Attractive	No Change	No Change	No Change
230	Bethesda Bach/ Collfryn Cottages (1-3) / Brithdir / Ty Mawr	22	840 - 1010	Views contained within a minor valley around A499, with long views to distant uplands	Moderate	No Change	No Change	No Change
231	Ysgubor Newydd/ Ty-newydd	2	940	Primary views to the west, over A499 corridor to distant coast	Attractive	No Change	No Change	No Change
232	Caegarw	1	810	Primary views to the west, over A499 corridor to distant coast	Attractive	No Change	No Change	No Change
233	Cefn Hendre	1	500	Primary views to the west, over coastal plain and to distant coast, with views to east to uplands	Attractive	No Change	No Change	No Change

234	Traian	1	1,320	Views contined with a low-lying stream valley	Attractive	No Change	No Change	No Change
235	Crud-y-nant farm/ Cefn-eithin	2	1,080	Elevated views over coastal plain countryside and sea to the west	Attractive	No Change	No Change	No Change
236	Cae - Llywarch Manor	1	1,430	Elevated views over coastal plain countryside and sea to the west	Attractive	No Change	No Change	No Change
237	Cae - Llywarch - bach	1	1,600	Elevated views over coastal plain countryside and sea to the west	Attractive	No Change	No Change	No Change

238	Groeslon	66	1350 - 2180	Outward views from within this area largely restricted by topography, buildings and vegetation. More distant views to the sea and mountains rather than to coastal plain or surrounding slopes	Moderate	No Change	No Change	No Change
239	Slopes below Carmel	86	1780 - 4410	Frequent extensive views to the west and north over the foreground slopes, coastal plain and to the sea. In places restricted by buildings and vegetation	Attractive	No Change	No Change	No Change

240	Rhos Isaf and environs	128	590 - 1980	Outward views from within this area largely restricted by topography, buildings and vegetation. More distant views to the sea and mountains rather than to coastal plain or surrounding slopes	Moderate	No Change	No Change	No Change
241	Carmel	210	2980 - 4180	Frequent extensive views to the west and north over the foreground slopes, coastal plain and to the sea. Views to the upland landscape to the east. In places restricted by buildings and vegetation	Attractive	No Change	No Change	No Change

242	Cae Haidd Mawr and environs	26	1820 - 3290	Occasional extensive views to the west and north over the foreground slopes, coastal plain and to the sea. Views to the upland landscape to the east. Outward views frequently restricted by localised topography and vegetation	Attractive	No Change	No Change	No Change
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243	Slopes north of Y Fron	81	3240 - 4470	Frequent panoramic views to the west and north over the foreground slopes, coastal plain, to the sea and Anglesey. Views to the upland landscape to the east. In places restricted by buildings and vegetation	Attractive	No Change	No Change	No Change
244	Slopes south and east of Rohostryfan	47	1690 - 3180	Frequent extensive views to the west and north over the foreground slopes, coastal plain and to the sea. Views to the upland landscape to the east. In places restricted by buildings and vegetation	Attractive	No Change	No Change	No Change

245	Rhosgadfan and environs	239	2870 - 4320	Frequent panoramic views to the west and north over the foreground slopes, coastal plain, to the sea and Anglesey. Views to the upland landscape to the east. In places restricted by buildings and vegetation	Attractive	No Change	No Change	No Change
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246	Slopes below Moel Smytho	19	2660 - 4840	Frequent panoramic views to the west and north over the foreground slopes, coastal plain, to the sea and Anglesey. Views to the upland landscape to the east. In places restricted by buildings and vegetation	Attractive	No Change	No Change	No Change
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247	Slopes below Waunfawr	19	1780 - 3345	Occasional extensive views to the west and north over the foreground slopes, coastal plain and to the sea. Views to the upland landscape to the east. Outward views frequently restricted by localised topography and vegetation	Attractive	No Change	No Change	No Change
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Appendix D.3 – Landscape Strategy

Appendix D.3

Caernarfon and Bontnewydd Bypass Landscape Strategy

1.1. Introduction

The proposed landscape mitigation measures for the Caernarfon and Bontnewydd Bypass are comprised of a series of components and are intended to achieve a number of objectives. This strategy document sets out those aims and landscape elements.

The landscape mitigation design is in accordance with the Design Manual for Roads and Bridges Volume 10, and intended to comply with the management requirements of the North and Mid-Wales Trunk Road Agency.

1.2. Objectives

The environmental functions described in DMRB are set out separately but in most cases landscape proposals will meet multiple objectives. The functions are listed below, with a commentary as to how these apply to the Scheme.

Visual Screening

The landscape impact assessment identified a number of locations where the proposed highway, structures or traffic movements could be seen by receptors in the wider landscape. Planting will be used in combination with earthworks to block or filter these views, subject to seasonal variation.

Landscape Integration

The prevailing landscape character of the study area is derived from a particular combination of topography, field patterns, hedge boundaries, woodland blocks and individual trees. The landscape mitigation proposals will seek to integrate the Scheme components with this landscape character, reflect the local vernacular with respect to forms and species, and create a seamless join where possible between the Scheme and the existing context.

Enhancing the Built Environment

Where the Scheme abuts elements of built environment the landscape mitigation measures will seek to provide added benefit in providing a suitable setting or context. Given the rural nature of the Scheme there are few instances where this will be a key objective of the landscape proposals. However where this is the case the landscape design will consider the wider context.

Nature Conservation and Biodiversity

The provision of landscape mitigation elements will provide habitat benefits through several means, including habitat creation, wildlife connectivity, providing food source plants, creating roosting and nesting opportunities and the general creation of biodiversity.

Visual Amenity

The mitigation proposals will seek to provide visual and seasonal interest through the form, structure and species selection, and where appropriate will direct views to the wider landscape context.

Heritage

In considering adjacent historic and heritage features the objectives of the landscape mitigation will be to preserve and enhance historic character or context. For example, the setting of the Caerlan Tibot Scheduled Ancient Monument would be protected through screening of the highway.

Auditory Amenity

Where noise barrier fencing or earth bunding would be provided to mitigate adverse effects.

Water Quality

The inclusion of drainage attenuation ponds in the scheme proposals will ensure proper consideration of water quality functions. Their locations, setting and management will be considered in parallel with the landscape mitigation proposals to ensure an appropriate integration.

1.3. Landscape Mitigation Elements

The landscape provision will consist of a number of components, working together to meet the objectives and environmental functions set out above.

Existing Vegetation

The first priority in considering landscape mitigation will be to retain existing vegetation wherever possible. This will include woodland, trees, hedgerows and grass. The detailed design will seek to establish appropriate protection zones around existing vegetation areas, whilst aiming to minimise the working areas in key locations. This is also a consideration for Nature Conservation objectives, particularly with respect to the 'bat landscape', a strategy to retain connectivity and permeability.

Translocation

In addition to retaining vegetation in place there will also be an opportunity to gain the benefit of established vegetation through translocation. This requires the identification of receptor sites which are within the Scheme boundary but not subject to construction works. This will allow vegetation to be translocated from the Scheme footprint, during site clearance works, and placed in a final fixed location. The most likely receptor sites will be those remnant corners of fields which fall within the Scheme boundary to provide mitigation, but outside the construction footprint.

The likely species for translocation will include Hazel, Hawthorn, Blackthorn and Holly. The identified plants will be coppiced to ground level, the stools excavated with as much root as possible, and transferred to prepared pits. Hedgerow plants are likely to be most suitable for this purpose, and will be identified through a pre-construction survey.

Earthworks

The Scheme includes a number of significant cuttings and embankments. The principle of creating rounded forms, particularly at the junctions between original ground and earthworks, is essential to avoid an imposed engineered character. Similarly the rounding off of the tops and bottoms of created slopes will be built into the earthworks approach.

Wherever possible a degree of variation will be built into those slope profiles which are to be left as open grassland, in order to reflect the natural form of the existing fields.

Woodland

The creation of woodland is a key component of the mitigation approach, serving both landscape and nature conservation objectives. The species selection will ensure a suitable woodland structure with both canopy and understorey species. Woodland edges will be created with understory shrub species only, in order to create a dense edge and achieve the required habitat connectivity and screening function. The species selected will reflect the local native species in the surrounding landscape, and will be chosen to provide food sources and habitat niches for the identified wildlife.

Age diversity will be incorporated from the start by including a range of stock sizes, such as cell-grown stock, transplants and feathered trees.

Woodland blocks will be planted with single-species groups to ensure a final provision representative of the intended mix, following management thinning works. Planting densities will vary depending on the environmental function and objectives, to minimise future management and thinning operations whilst achieving the required rate of establishment.

Trees

Individual trees will be provided as single or grouped feathered trees in areas of species-rich grassland, providing visual interest and creating a naturalistic landscape character. Ultimately these will also provide biodiversity benefits.

Hedges

Hedgerows are a key characteristic of the study area landscape, although they vary considerably with respect to their form, condition and degree of management. The primary functions of the proposed mitigation hedges will be habitat connectivity and landscape integration, re-establishing appropriate boundaries where the fields have been dissected or fragmented by the Scheme. Hedges will be positioned within the highway fence, and in time will visually soften this boundary.

The hedges will be planted in a random species pattern to avoid visually apparent blocks and groupings. The mix will consist of native species, reflective of the local pattern, and to provide habitat benefits.

Where possible rabbit shelters will be avoided in order to prevent an undesirable appearance, but if necessary mesh guards will be employed to allow the establishment of lateral branching, create a dense hedge structure.

Grassland

Grass areas will be provided in four main forms:

- **Highway verge:** On the side of the carriageway and within key visibility splays grass areas will be formed using a low-maintenance highway mix. This has a lower rate of growth and height, reduces the required frequency of cutting and ensures salt-tolerance from road spray following winter highway maintenance. This mix will be sown onto topsoil.
- **Species rich grassland:** Used in the majority of Scheme areas this grassland will include a diversity of species, selected to be appropriate to the local habitat and soil conditions. As well as habitat benefits and invertebrate value this grassland will also provide seasonal variety and visual interest. Management will be through one or two cuts per year, depending on the rate of growth and nutrient levels, which will be timed to ensure wildflower seeds ripen and are distributed. Arisings from cuttings will be handled to allow seed dispersal and then removed, either off-site or to agreed compost locations. Subsoil will provide the seed bed for this grass and wildflower mix, ensuring nutrient levels are reduced thereby avoiding competition from the grass species.
- **Amenity wildflowers:** This approach would be applied in gateway locations on approaches to the town, such as at roundabout junctions, and would consist of the sowing of intensive wildflower mixes. These mixes would consist of both annual and perennial species in order to provide both valuable pollinators and a visually attractive flower meadow character.
- **Agricultural pasture:** Where affected land is to be returned to agriculture the appropriate soil regime and seed mix will be agreed with the landowners and their agents.

Rock

The treatment of exposed rock areas will very much depend on the nature of the rock, how friable it is, whether it is banded and the final profiles. However in general terms the intention will be to encourage a naturalistic colonised appearance through a combination of soil management, conventional seeding and hydroseeding.

Natural Regeneration

Wherever possible opportunities for establishing vegetation through natural regeneration will be sought. This is closely coupled to the management of soils, discussed below, and through the ongoing management operations. Through the detailed design process areas will be defined where the natural establishment of agreed species will be encouraged and adopted as part of the developing scheme landscape. The maintenance and management strategy will incorporate review procedures to identify and protect naturally occurring plants, both woody and herbaceous species. Through this approach Ffridd habitat may be created, providing a valuable diverse mixture of grass, heathland and scrub.

Structures

The landscape context for the scheme is primarily rural. The landscape design objective for bridge structures over the main line is therefore to keep them as open as possible in main line cut situations, to allow views through the structures, and to facilitate a continuity of landscape treatment along the scheme corridor. Splayed and sloping wing walls will be incorporated in order to maximise the available area for mitigation planting. As well as providing visual screening and landscape integration this approach also maintains habitat connectivity with the associated biodiversity benefits.

Further aesthetic benefits derive from the creation of a family of structures, using a similar palette of materials, forms and finishes for groups of similar structures. Acknowledging the palette of finishes typically provided on structures on other similar schemes along the A487 in the locality, the proposed finishes broadly comprise:

- Plain concrete to small areas of exposed surfaces, such as headwalls and wingwalls to small culvert structures;
- Plain, or virtually plain, concrete to large exposed surfaces viewed obliquely and typically shaded – for example, the internal walls of box-type structures, pier and abutment elevations;
- Feature grooved concrete finish to large exposed concrete surfaces, such as wingwalls to highway bridges.

Fencing

The Scheme would be largely delineated by a highway boundary fence. The standard form of this fence, as set out in the DMRB, is timber post and rail. However, within the Scheme context field boundaries are commonly post and wire fence with hedgerows. Consequently, the objective would be to provide a post and wire highway boundary fence, including where additional elements are required for mammal-proof fencing. This would be subject to agreement with adjacent landowners.

Soil Management

A soil management strategy will establish the quantity and balance of topsoil and subsoil to be stripped from the site, and identify any differences in topsoil character and nutrient content. From this soil zones will be established and wherever possible topsoils will be returned to the zones from where they were removed. The finished profiles of the receiving areas will also be considered along with the landscape treatment. For example, nutrient-rich topsoils will be prioritised for planting areas whilst nutrient-poor or subsoils will be provided for areas of species-rich grassland creation.

The method of storing topsoil is an important consideration to prevent loss of soil structure, undesirable changes in nutrient value, and loss of soil zone distinctiveness.

Material Sourcing

Tree and shrub stock will be sourced in compliance with the Forestry Commission Practice Note, 'Using Local Stock for Planting Native Trees and Shrubs', with the objective being to source stock with a seed provenance from bio-geographical region 303, western Wales.

Local provenance grass and wildflower seed will also be sought wherever possible. This may involve local seed collecting using brush harvester techniques.

The provenance of plant and seed stock will be ensured through certification and supply chain records. This local provenance approach not only provides habitat and establishment benefits but also reduces the risk of plant disease.

1.4. Landscape Management

The intention of the mitigation design is to provide a sustainable landscape provision, including a practical consideration of access to all areas, and reducing the need for intensive management operations.

The future growth and form of planting provision is considered to allow sufficient space, in order that sightlines to signage and at junctions do not become obscured, requiring regular cutting.

Future thinning will be required to maintain a healthy structure in the woodland blocks, and therefore the initial planting density needs to be driven by the balance between meeting mitigation objectives and the longer term management.

Grassland management will be kept to a minimum through the use of species-rich mixes sown onto subsoil. Ideally this would require only one annual cut in late-summer. As far as possible provision will be made within the Scheme footprint for on-site composting of arisings.

1.5. Consultation

As the detailed landscape design is developed ongoing liaison with Welsh Government, Gwynedd Council and the North and Mid-Wales Trunk Road Agency will ensure all parties are agreed to the proposals.

Regular Environmental Liaison Group Meetings will provide a forum for consultation and liaison with other parties, such as Natural Resources Wales, for all components of the Scheme design, including the landscape proposals.

Appendix D.4 – Detailed Arboricultural Survey



A487 CAERNARFON AND BONTNEWYDD BYPASS DETAILED ARBORICULTURAL SURVEY

Welsh Government

3513874-PB-XX-XX-RP-EN-00004

Draft

A487 Caernarfon and Bontnewydd Bypass

DETAILED ARBORICULTURAL SURVEY

3513874-PB-XX-XX-RP-EN-00004

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LIST OF ABBREVIATIONS

AIA	Arboricultural Implications Assessment
AMS	Arboricultural Method Statement
BS 5837	British Standard BS 5837:2012 <i>Trees in relation to design, demolition and construction – Recommendations</i>
RPA	Root Protection Area
TCP	Tree Constraints Plan
TPO	Tree Preservation Order
TPP	Tree Protection Plan

SECTION 1

INTRODUCTION

1 INTRODUCTION

1.1 Overview

1.1.1 The Scheme consists of a new 9.8km highway commencing at the Goat roundabout (A499/A487 junction) and terminating at the Plas Menai Roundabout. It forms a western bypass to Llanwnda, Dinas and Bontnewydd before crossing the existing A487 to pass south of Caernarfon Quarry. It then crosses the River Seiont before passing south of the Cbyn Industrial Estate to a junction with the A4086. After crossing the B4366 the route drops steeply to the Plas Menai Roundabout.

1.1.2 A Wide Single 2+1 standard has been adopted consisting of 2 lanes of travel in one direction and a single lane in the opposite direction providing overtaken opportunities in the two lane direction while overtaking in the single lane direction is prohibited.

1.1.3 The scheme includes a number of structures comprising bridges, viaducts and culverts.

1.2 Context

1.2.1 This report has been produced as a standalone document. It is however envisaged that the information contained within will form part of the wider environmental assessment for the scheme.

1.2.2 Information relating to the value of the surveyed trees, as well an assessment highlighting those which may need to be removed, has been provided. This should be used to assist in identifying the overall ecological, landscape and visual impacts of the scheme. This will ensure that a comprehensive environmental impact assessment is undertaken as specified in the Design Manual for Roads and Bridges: Volume 11, Section 3, Parts 4 and 5.

1.2.3 A detailed arboricultural method statement and tree protection plans are also provided. These provide information on the specific protection measures which will be required in order to safeguard retained trees during the construction process.

1.3 Purpose

1.3.1 The purpose of this report is to identify the above and below ground constraints associated with the surveyed trees, woodlands and hedges and to highlight any of these which of these features may need to be removed in order to facilitate the scheme. This includes the identification of trees, woodlands and hedges which occur directly within the footprint of the scheme as well as those located on land which may be utilised as part of the contractor's working area.

1.3.2 Information relating to the protection measures that will be required in order to safeguard retained trees, woodlands and hedges in a sustainable manner is also provided. This takes the form of an arboricultural method statement and tree protection plan and includes a specification and location details for protective fencing, tree works and arboricultural monitoring and supervision.

1.3.3 Advice is also given on the choice of tree species which should be considered for use as part of any mitigatory post-development planting scheme. The advice given is based solely upon the arboricultural attributes of the recommended species and their ability to tolerate the current and future environmental constraints of the site. It is not

intended to provide a definitive species list but simply to highlight those trees and shrubs which are best suited to the locally prevailing altitude, climate and soils.

1.4 Planning and Legislative Context

- 1.4.1 This report has been carried out in accordance with British Standard BS 5837:2012 *Trees in relation to design, demolition and construction – Recommendations* (hereafter referred to as BS 5837). This standard provides guidance on the successful integration of trees and development.
- 1.4.2 Trees are a material consideration in the UK planning system and existing trees are often an important factor during the design, demolition and construction process. British Standard BS 5837 recommends that all trees which could be reasonably affected by a scheme are surveyed during the feasibility stage. This information should then be used to identify the constraints imposed by existing trees as well as those trees which should be removed or retained.
- 1.4.3 Following the development of a final design BS 5837 further recommends that a detailed Tree Protection Plan (TPP) and Arboricultural Method Statement (AMS) are produced. These documents should highlight the tree protection measures which will be necessary in order to protect retained trees and highlight any arboricultural mitigation measures which may be required.

1.5 Drawings Used

- 1.5.1 The study area used for the arboricultural survey was informed by the following scheme drawings: 3513874-PB-06-XX-DR-J-00001, 3513874-PB-05-XX-M2-J-00015, 3513874-PB-XX-XX-M2-Z-00002 to 00015, and, 3513874-PB-XX-XX-M2-Z-00023.

SECTION 2

METHODOLOGY

2 METHODOLOGY

2.1 Field Survey

- 2.1.1 The extent of the survey is defined as an area extending 50m beyond the limits of the proposed carriageway. In a number of locations the survey area has been extended to account for the possibility of additional land take associated with the contractor's working area.
- 2.1.2 The field survey has been carried out in accordance with BS 5837. Hedges were recorded where they formed distinct visual features. Short, sparse or intermittent sections of hedge were not surveyed.
- 2.1.3 Trees have been categorised in accordance with BS 5837 Table 1 which is included in Appendix B of this report.
- 2.1.4 The tree survey was carried out from ground level only. No tissue samples were taken nor was any internal investigation of the subject trees undertaken. Tree heights have been estimated to the nearest 1m.
- 2.1.5 Stem diameters have been measured in accordance with Annex C of BS 5837. Diameters of single stem trees on level ground have been measured at 1.5m above ground level. The diameters of other commonly encountered stems have been measured where most appropriate and this is recorded within the schedule.
- 2.1.6 The combined stem diameters for multi-stemmed trees have been calculated in accordance with BS 5837 paragraph 4.6.1. Root Protection Areas are calculated as an area equivalent to a circle with a radius 12 times the stem diameter. Tree canopies have been estimated and their average spread recorded.
- 2.1.7 To allow the assessment of trees on site to be completed in a practicable way and to best reflect the tree population on site, where trees formed groups either aerodynamically, through mutual support or by forming a screen or other such feature they have been recorded as such.
- 2.1.8 Only the main species present within the surveyed groups of trees, woodlands and hedges were recorded. Other tree and shrub species may be present and if this information is deemed important then a more detailed assessment will be required.

2.2 Limitations of the Survey

- 2.2.1 The positions of trees have been measured as accurately as possible. These positions must be considered approximate only. If the position of these trees is of critical importance then a topographical survey will be required in order to accurately record their location.
- 2.2.2 Trees are dynamic organisms which are influenced by a variety of environmental variables and whose health and condition can rapidly change. As a result of this any recommendations made within this report are valid for a period of 12 months from the date of the survey (October 2015).
- 2.2.3 This report in no way constitutes a health and safety survey. Where concerns for tree health and safety exist the necessary and appropriate tree inspections should be carried out.

- 2.2.4 All areas have the potential to support protected species. This survey did not include an ecological survey of the vegetation and habitat areas.

SECTION 3

RESULTS

3 RESULTS

3.1 Overview

3.1.1 A total of 580 trees, groups of trees, woodlands and hedgerows were surveyed details of which are provided within the Tree Survey Schedule in Appendix A. A summary of the surveyed vegetation including its category is provided in Table 3.1.

Table 3.1: Summary of surveyed vegetation

BS 5827 Category	Trees	Groups	Woodlands	Hedges	Total
A	1	1	0	0	2
B	155	58	6	1	220
C	155	104	1	78	338
U	19	0	0	1	20
Total	330	163	7	80	580

3.1.2 Trees have been recorded as groups or woodlands where this has been deemed appropriate. Groups have been recorded on the basis that they form distinct arboricultural features either aerodynamically, visually or because they contain trees of similar cultural and biodiversity value.

3.1.3 Hedges have been recorded where these form substantial internal or boundary features or where they contribute meaningfully to the landscape character of the local area.

3.2 High Quality Trees and Groups

3.2.1 High quality trees and groups are those which have been identified as warranting inclusion within BS 5837 Category A.

3.2.2 Oak T791 is considered to be a high quality A category specimen. This tree is a particularly good example of a mature oak tree which, despite the presence of a number of small pruning wounds to the stem, did not exhibit any significant defects.

3.2.3 A single group (G146) has been categorised as a high quality A category feature. This reflects not the condition of the group itself but the purpose which it serves. This is as a shelter belt which partially surrounds an area of rare nursery stock and protects it from the wind. Should group G146 be removed then it is unlikely that the nursery stock would remain viable and as such would also need to be removed.

3.3 Moderate Quality Trees, Groups, Woodlands and Hedges

3.3.1 Moderate quality trees, groups, woodlands and hedges are those which have been identified as warranting inclusion within BS 5837 category B.

3.3.2 Overall 155 individual trees and 58 groups of trees were categorised as moderate quality B category specimens. These are trees which generally exhibit limited structural or physiological defects or provide a moderate contribution to the character of the wider landscape.

3.3.3 Of the 7 surveyed woodlands 6 are considered to be of moderate quality and as such have been recorded as category B. Five of these woodlands appear to have little historic or conservation value and as such have been valued solely on their generally modest visual appeal. However, woodland W107 did exhibit a varied herb layer at the time of the survey and as such has been graded on the basis that it may be worthy of further environmental assessment. This is in addition to its limited contribution to the visual appearance of the local area.

3.3.4 Hedge H147 is also considered to be of moderate quality and therefore category B. This hedge provides a degree of shelter for a number of rare nursery plants and has been valued on its role rather than its visual appeal.

3.4 Low Quality Trees, Groups, Woodlands and Hedges

3.4.1 Low quality trees, groups, woodlands and hedges are those which have been identified as warranting inclusion within BS 5837 category C.

3.4.2 A total of 155 individual trees and 104 groups were classified as low quality C category specimens. These are generally unremarkable trees which exhibit either significant defects or which offer only low or short-term landscape benefits.

3.4.3 A single woodland (W217) was also categorised as category C. This is an area of scrubby mixed species woodland which partially covers the sloping ground to the south-west of the Cibyn Industrial Estate. This woodland exhibits no evidence of management and includes a number of semi-mature coniferous timber trees.

3.4.4 Of the surveyed hedges 78 surround agricultural land and are expected to remain viable for a period of at least another 10 years. None of the hedges were identified as having any significant individual landscape value. They offer only low screening or landscape benefits which are localised in nature and do not translate into any wider landscape appeal.

3.5 Trees, Groups, Woodlands and Hedges which are Unsuitable for Retention

3.5.1 Trees, groups, woodlands and hedges which are unsuitable for retention are those which have been identified as warranting inclusion within BS 5837 category U.

3.5.2 The remaining 19 individual trees have been classified as category U. These are trees which are in such poor condition that they cannot realistically be retained for a period of more than 10 years. These trees will generally need to be removed even in the context of the current land use and should not be viewed as a constraint to the future development of the land.

3.5.3 Hedge H124 has been recorded as a U category specimen due to the fact that large parts of it appear to be in terminal decline.

SECTION 4

ARBORICULTURAL IMPACT ASSESSMENT

4 ARBORICULTURAL IMPACT ASSESSMENT

4.1 Introduction

4.1.1 This assessment considers the impact that the scheme will have on existing trees, groups, woodlands and hedges and takes account of the recommendations contained within BS 5837:2012.

4.1.2 This assessment includes details pertaining to the removal of vegetation and the protection measures which will be required in order to ensure that the remaining trees, woodlands and hedges can be sustainably retained.

4.1.3 Whether trees, woodlands and hedges require removal depends largely on whether development impacts significantly upon the above and below ground portions of the tree. These impacts can be either direct or indirect and include issues such as:

- Direct physical contact between trees and the proposed structure;
- a lack of sufficient space for future growth and development and;
- a need to carry out potentially damaging works within the Root Protection Area (RPA).

4.1.4 British Standard BS 5837 defines the RPA as ‘the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree’s viability.’ Activities such as excavation, raising soil levels and compaction can significantly damage a tree and may result in instability, decline and death.

4.2 Removal and Retention of Trees, Woodlands and Hedges

4.2.1 Overall a total of 118 individual trees are within, or immediately adjacent to, the footprint of the scheme and are likely to be removed if the scheme is to proceed. These account for 35% of the surveyed trees, have been assessed in accordance with BS 5837, and include 57 moderate quality B category trees, 53 low quality C category trees and 8 U category specimens. Details of the specific trees which are likely to require removal are provided in Table 4.1.

Table 4.1: Trees which are likely to be removed

Category	Tree Reference Number
B	T473, T475, T488, T516, T521, T528, T536, T537, T540, T551, T552, T571, T572, T573, T582, T583, T584, T593, T594, T595, T596, T608, T611, T613, T617, T619, T624, T632, T633, T635, T637, T640, T641, T644, T645, T659, T668, T672, T673, T710, T715, T732, T734, T735, T738, T741, T743, T745, T750, T771, T772, T775, T776, T777, T778, T792, T793
C	T474, T487, T505, T513, T517, T520, T526, T541, T555, T556, T564, T568, T569, T574, T576, T577, T579, T581, T585, T606, T612, T618, T636, T638, T639, T642, T652, T653, T654, T658, T660, T678, T687, T696, T697, T698, T699, T706, T707, T708, T709, T711, T713, T716, T725, T730, T731, T736, T739, T740, T744, T785
U	T504, T580, T628, T629, T712, T717, T742, T784

4.2.2 Only 20 of the 163 groups of trees surveyed are within the footprint of the scheme and will need to be completely removed. These include 8 moderate quality B category groups and 12 low quality C category groups. In addition to this 16 B category groups and 31 C category groups are partially within the footprint of the scheme and can

therefore be partly retained. Details of the specific groups of trees which are likely to require total or partial removal are provided in Table 4.2.

Table 4.2: Groups of trees which are likely to be wholly or partially removed

Category	Group Reference Number	
	Wholly Removed	Partially Removed
B	G4, G9, G31, G48, G57, G75, G79, G155	G8, G15, G17, G24, G26, G30, G43, G69, G97, G102, G103, G117, G127, G150, G156, G187
C	G6, G40, G50, G67, G73, G108, G126, G140, G141, G169, G173, G174	G2, G3, G22, G27, G38, G54, G60, G61, G71, G76, G78, G80, G93, G96, G99, G104, G105, G106, G109, G118, G119, G139, G143, G196, G203, G214, G215, G221, G226, G231, G238

4.2.3 Of the 7 woodlands which were surveyed 2 of these will need to be partially removed in order to facilitate construction. These include W154 and W158 both of which will require the removal of relatively small sections in order to accommodate the realignment of the existing road where it heads south from the Plas Menai Roundabout.

4.2.4 Finally, 5 of the surveyed hedgerows are wholly within the footprint of the scheme with a further 35 partially located within the footprint of the scheme. Details of the specific hedgerows which are likely to require total or partial removal are provided in Table 4.3.

Table 4.3: Hedgerows which are likely to be wholly or partially removed

Category	Hedgerow Reference Number	
	Wholly Removed	Partially Removed
C	H32, H33, H49, H135, H234	H11, H13, H14, H20, H21, H23, H34, H35, H44, H45, H52, H55, H56, H58, H74, H77, H81, H84, H90, H91, H110, H111, H113, H116, H120, H133, H138, H145, H152, H170, H182, H199, H225, H228, H245

4.2.5 This assessment does not take account of the working area which will be required to construct the scheme. In situations where potentially damaging works cannot be excluded from RPAs it may be necessary to remove additional trees, groups or hedges. When determining whether it is acceptable to remove a tree consideration should be given to its category rating. As a general rule of thumb the following should apply:

- high quality category A trees should be retained and are of sufficient value to influence the design;
- moderate quality B category trees should be retained wherever this is reasonably practicable and are of sufficient value to influence the design;

- low quality C category trees are of insufficient value to influence the design. These trees should be retained only where they do not pose a constraint on development and;
- U category trees will not generally be retained and should be removed as part of a programme of sound arboriculture management.

4.2.6 It is therefore recommended that appropriate consideration be given to tree retention when determining the overall extent of the working area associated with the scheme. Arboriculture advice should be sought where necessary and especially where works encroach within the RPA but do not physically require the complete removal of the tree.

4.3 Mitigation

4.3.1 It is envisaged that any tree removals will be mitigated through a programme of post construction planting. Details pertaining to the numbers, location, species, size and standard of all new planting should be provided as part of a detailed landscaping scheme.

4.3.2 It is recommended that the species used for any mitigatory planting are chosen with due regard to not only their visual and conservation value but also their tolerance to current and future environmental conditions. Concerns over the potential impacts of climate change have prompted Natural Resources Wales to provide detailed advice on how tree species should be chosen for woodlands and other large scale planting schemes.

4.3.3 Attack by pests and disease, periods of drought, and extreme weather are all events which are seen as potentially limiting factors for future tree growth. Current advice¹ is therefore to choose tree species based not only on their visual and conservation value but also on their current and future suitability for the planting site.

4.3.4 Furthermore, it is also advised that efforts are made to ensure that a diverse mix of tree species is used wherever possible. This does not necessarily require the use of 'intimate' mixtures of species but should rather focus on the use of species not historically widespread in Wales but which will become more suited should current climate change predictions occur.

4.3.5 Analysis of the surveyed trees provides a useful indication of the tree and hedgerow species which are currently growing within the survey area. Information relating to the species surveyed and their percentage of the overall population is provided in Table 4.4.

Table 4.4: Species Composition of Individually Surveyed Trees

Tree Species	Number Surveyed	Percentage of Total
Oak	139	42.38%
Sycamore	85	25.91%
Ash	70	21.34%
Alder	7	2.13%
Goat Willow	7	2.13%

¹ Anon. (2010) *A Guide for Increasing Tree Species Diversity in Wales*. Forestry Commission Wales

Tree Species	Number Surveyed	Percentage of Total
Beech	4	1.22%
Hawthorn, Norway Maple, Birch, Blackthorn, Holly, Hornbeam, Lime, London Plane, Monterey Cypress, Poplar, Scots Pine, Spruce, Turkey Oak	16	4.88%
Total	328	100.00%

4.3.6 Approximately 88% of the individual trees which were surveyed are Oak, Sycamore or Ash. These 3 species are clearly well suited to the current environmental conditions of the site and often grow to form large, standalone trees. However, whilst the future prospects for both Pendunculate Oak and Sycamore are good the potential impact of *Chalara Fraxinea* means that new Ash planting should be avoided.

4.3.7 Alternative species such as Common Alder, Common Beech, Small Leaved Lime and Hornbeam should all remain moderately suited to the current and existing site conditions. These native trees all have the capacity to form medium to large specimens and should potentially be planted in larger numbers than is currently the case.

Table 4.5: Species Composition of Surveyed Groups

Tree Species	Number of Records	Percentage of Grand Total
Oak	96	23.70%
Ash	76	18.77%
Sycamore	57	14.07%
Goat Willow	43	10.62%
Hawthorn	36	8.89%
Cherry	18	4.44%
Alder	17	4.20%
Birch	16	3.95%
Beech	10	2.47%
Hazel	8	1.98%
Holly	7	1.73%
Lime, Poplar, Pine, Monterey Cypress, Blackthorn, Sorbus, Apple, Field Maple, Spruce, Fir, Hornbeam, Willow, Larch, London Plane, Elder, Bay	21	5.19%
Total	405	100.00%

4.3.8 Again the most common species of tree recorded in a group of trees was Oak, Sycamore and Ash. These results reflect the commonality of these trees as individual specimens and the same advice regarding their use in any future planting scheme applies.

4.3.9 The presence of lesser numbers of Goat Willow, Hawthorn, Cherry, Birch, Hazel and Holly are all indicative of the value of these species as an under planting to larger

trees. These species are all likely to remain viable despite future climate change predictions and could also be planted in larger numbers either as a conservation feature or where low to medium level screening is required.

Table 4.6: Species Composition of Surveyed Hedges

Species	Number of Records	Percentage of Grand Total
Hawthorn	69	51.88%
Gorse	18	13.53%
Blackthorn	11	8.27%
Goat Willow	11	8.27%
Hazel	5	3.76%
Holly	5	3.76%
Sycamore	5	3.76%
Ash	4	3.01%
Lawson Cypress; Privet; Bramble; Leyland Cypress	5	3.76%
Total	133	100.00%

- 4.3.10 By far the most commonly recorded hedging species was Hawthorn. This is an essential component of many maintained hedgerows and is generally recorded either on its own or alongside a varying mix of Gorse and/or Blackthorn. Other species such as Goat Willow, Hazel, Holly, Sycamore and Ash were also recorded and tended to be found in less formal hedgerows or those that appear to be infrequently maintained.
- 4.3.11 Aside from Ash all of the aforementioned hedgerow species provide viable options for future planting. Species such as Lawson Cypress, Leyland Cypress and Privet were found within residential settings and are not considered appropriate for use in the wider landscape.
- 4.3.12 In order to ensure that any new planting is suited to the local environmental conditions it is recommended that it is formed from stock with a local provenance². This should include the use of stock from the Forestry Commission Region of Provenance No. 30 and Seed Zone 303.

² Hubert, J, Cundall, E. (2006) *Choosing Provenance in Broadleaved Trees*. Forestry Commission, Edinburgh

SECTION 5

ARBORICULTURAL METHOD STATEMENT

5 ARBORICULTURAL METHOD STATEMENT

5.1 Introduction

- 5.1.1 This method statement describes tree protection measures which must be adopted in order to ensure the sustainable preservation of retained trees. The measures described are deemed to be appropriate given the scale, intensity and proximity of development to nearby trees.

5.2 General Precautions

- 5.2.1 All trees which are being retained on site will be protected by protective barriers in the form of fencing as required. Protective barriers will be erected before any materials or machinery is brought onto the site and before any demolition, development or stripping of soil commences. Once erected barriers will be regarded as sacrosanct and will not be removed or altered without prior recommendation by the project arboriculturist.

- 5.2.2 Care will be taken to avoid damage in the following ways:-

- Oil, bitumen, cement or other material likely to be injurious to a tree will not be stored or mixed within 10m of any stem unless contained within a bunded structure. Concrete mixing will not be carried out within 10m of a tree unless undertaken within a bunded container. Any spillage shall be immediately reported to the project arboriculturist who will determine what mitigation is required.
- Fires will not be lit nearer than 5m of the limit of the crown spread, will be down-wind of the tree and will be prevented from becoming so large as to affect the tree.
- Notice boards, telephone cables or other services will not be attached to any part of the tree. Trees to be retained will not be used as anchors for equipment used to remove stumps, roots, other trees or for any other purposes.
- Care will be exercised when using cranes or similar equipment near the spread of the canopy of a tree.
- It is essential that allowance be made for the slope of the ground so that damaging materials such as concrete washings, mortar or diesel oil cannot run towards trees.
- Stumps within the RPA will not be dug or pulled out but are to be ground out.

5.3 Arboricultural Monitoring and Supervision

- 5.3.1 Effective tree protection can only be achieved by adherence to a logical sequence of works combined with effective arboricultural supervision and monitoring. The purpose of the arboricultural supervision and monitoring is to ensure that all tree protection measures are fit for purpose, are implemented in accordance with the approved details and to address any previously unforeseen issues which may arise during the course of the works.

- 5.3.2 The site manager will be responsible for ensuring that all site personnel are made aware of the requirements of this AMS and that any future amendments are known and understood. Copies of the approved AMS will be available onsite the

requirements of which will be incorporated into all relevant site management documents and site induction procedures.

- 5.3.3 The project arboriculturist will review the recommended tree protection measures with the project management team once the scheme has been approved. The purpose of this review is to check that the recommended tree protection measures are still appropriate and to pick up on any minor design changes that may have been made. A record of the review will be made and a revised AMS and TPP produced should any changes be required.
- 5.3.4 A pre-construction meeting will be held between the site manager and the project arboriculturist prior to any works onsite. The purpose of this meeting will be to ensure that all aspects of the tree protection measures are clear and understood and that any future sequencing and supervisory arrangements are agreed. The details of this meeting will be recorded and will be circulated to all parties in writing.
- 5.3.5 Once works commence the project arboriculturist will undertake a programme of monitoring and supervision. This may include phone and email contact with the site manager, regular site visits or the direct supervision of sensitive works. The frequency of any monitoring and supervision will be determined by the intensity and proximity of works to trees and will be flexible enough to accommodate changes in the scheduling of tasks as they occur on the site.
- 5.3.6 The project arboriculturist will maintain a record of all aspects of the arboricultural monitoring and supervision. This will provide an auditable record of compliance with any agreed tree protection measures and any subsequent changes that are made.
- 5.3.7 A recommended programme of works detailing the necessary arboricultural inputs is detailed in Table 5.1.

Table 5.1: Recommended programme of arboricultural inputs

Stage	Action / Operation	Arboricultural Input
Before Demolition, Site Preparation Or Construction Works Onsite		
1	Obtain formal consent for scheme and review recommended tree protection measures in light of any identified working requirements.	<ul style="list-style-type: none"> Review the proposed tree protection measures and agree any changes. Provide updated AMS and TPP if changes have occurred.
2	Pre-construction meeting. To discuss the precise location and timing of all tree protection measures.	<ul style="list-style-type: none"> Review the proposed tree protection measures and agree any changes. Agree final supervision and monitoring requirements. Circulate details to all parties.
3	Completion of approved tree works.	<ul style="list-style-type: none"> Supervise sensitive works if necessary.
4	Installation of protective fencing.	<p>Review the proposed works with the contractor.</p> <p>Document and sign off the completed works.</p>

		Prepare and issue documents identifying any agreed revisions.
During Demolition, Site Preparation and Construction Works		
5	During all external works which occur within, or immediately adjacent to, the RPA of any retained tree.	<ul style="list-style-type: none"> As necessary to ensure compliance with the AMS and during any unplanned works within the RPA of any retained tree.
Completion of all Construction Activities		
6	Removal of protective fencing once all construction activities are complete.	<ul style="list-style-type: none"> Inspection of retained trees and provision of a list of remedial pruning works if required.
7	Sign off by project arboriculturist.	<ul style="list-style-type: none"> Once all works have been completed.

5.4 Tree and Hedge Removal

5.4.1 A schedule of trees which are likely to require removal is provided in Table 5.2.

Table 5.2: Schedule of Tree and Hedge Removals

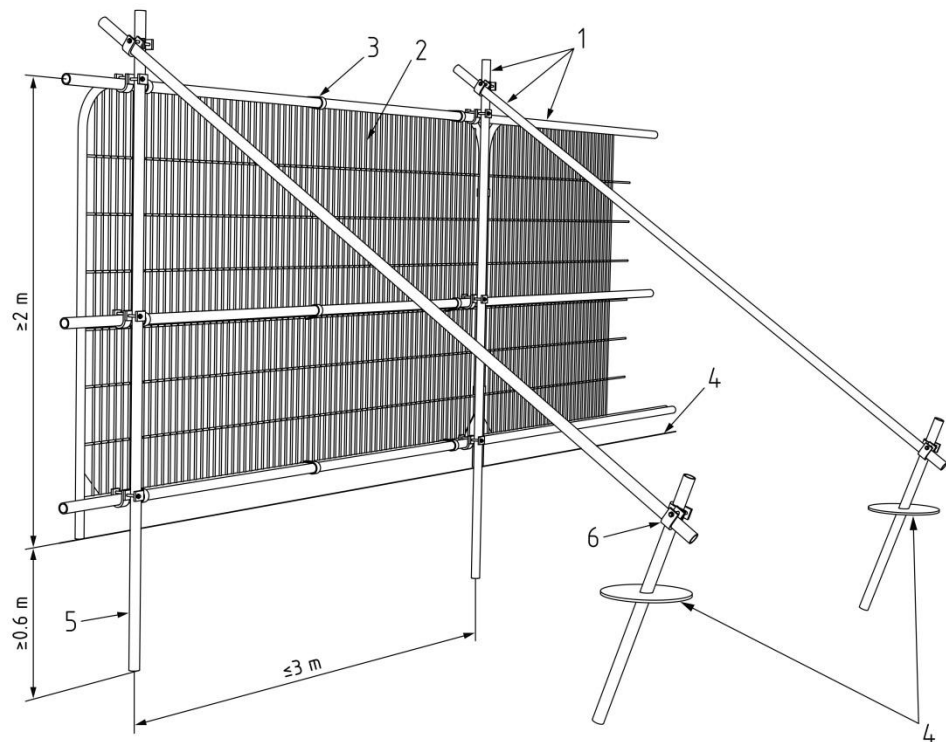
TREE/HEDGE REFERENCE NUMBER	RECOMMENDED WORKS
T473, T474, T475, T487, T488, T504, T505, T513, T516, T517, T520, T521, T526, T528, T536, T537, T540, T541, T551, T552, T555, T556, T564, T568, T569, T571, T572, T573, T574, T576, T577, T579, T580, T581, T582, T583, T584, T585, T593, T594, T595, T596, T606, T608, T611, T612, T613, T617, T618, T619, T624, T628, T629, T632, T633, T635, T636, T637, T638, T639, T640, T641, T642, T644, T645, T652, T653, T654, T658, T659, T660, T668, T672, T673, T678, T687, T696, T697, T698, T699, T706, T707, T708, T709, T710, T711, T712, T713, T715, T716, T717, T725, T730, T731, T732, T734, T735, T736, T738, T739, T740, T741, T742, T743, T744, T745, T750, T771, T772, T775, T776, T777, T778, T784, T785, T792, T793, G4, G9, G31, G48, G57, G75, G79, G155, G6, G40, G50, G67, G73, G108, G126, G140, G141, G169, G173, G174, H32, H33, H49, H135, H234	Fell to ground level and remove stump/roots
G8, G15, G17, G24, G26, G30, G43, G69, G97, G102, G103, G117, G127, G150, G156, G187, G2, G3, G22, G27, G38, G54, G60, G61, G71, G76, G78, G80, G93, G96, G99, G104, G105, G106, G109, G118, G119, G139, G143, G196, G203, G214, G215, G221, G226, G231, G238, H11, H13, H14, H20, H21, H23, H34, H35, H44, H45, H52, H55, H56, H58, H74, H77, H81, H84, H90, H91, H110, H111, H113, H116, H120, H133, H138, H145, H152, H170, H182, H199, H225, H228, H245	<p>Fell to ground level and remove stump/roots. See Tree Constraints Plans for details of areas to be removed.</p> <p>Retained sections to be protected with appropriate Tree Protection Fencing.</p>

- 5.4.2 Tree works shall be undertaken in accordance with BS 3998 Recommendations for tree work and any other relevant best practice guidance.
- 5.4.3 The statutory protection afforded by the Wildlife and Countryside Act 1981 (Amended) and Countryside and Rights of Way Act 2000 (Amended) will be adhered to. Where there is evidence that bats, nesting birds or other protected species are present then specialist advice will be obtained prior to the commencement of work.
- 5.4.4 All operations shall be carefully carried out to avoid damage to the trees being treated or neighbouring trees. No trees to be retained shall be used for anchorage or winching purposes.

5.5 Tree Protection Fencing

- 5.5.1 Tree protection fencing will be used to prevent access to the RPAs of retained trees. Tree protection fencing shall be erected outside the RPA of retained trees. The minimum distance that the tree protection fencing should be offset from the centre of the trunk are provided within the Tree Survey Schedule in Appendix A.
- 5.5.2 In all instances the following specification will be adhered to.
- Protective fencing will be erected prior to any works onsite including demolition, ground work or the importation of plant and materials.
 - Once erected protective fencing shall remain in-situ until all construction activities are complete.
 - The area to the rear of the protective fencing shall be considered to form a Construction Exclusion Zone. No construction activities, storage of materials or pedestrian or vehicular access shall take place within this area.
 - The specification for any protective fencing will comply fully with BS 5837:2012 (refer to Figure 1). Fencing shall be fit for the purpose of excluding construction activity and shall be appropriate to the degree and proximity of work taking place around the retained tree(s).

Figure 1: Example of recommended tree protection fencing (BS 5837:2012
Figure 2)



Key

- 1 Standard scaffold poles
 - 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
 - 3 Panels secured to uprights and cross-members with wire ties
 - 4 Ground level
 - 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
 - 6 Standard scaffold clamps
- Regular daily checks will be carried out by the site manager to ensure that the barriers are still in place and functioning and any damage will be rectified without delay.

SECTION 6

CONCLUSIONS

6 CONCLUSIONS

- 6.1.1 A total of 330 trees, 163 groups of trees, 7 woodlands and 80 hedges were surveyed.
- 6.1.2 Overall a total of 117 trees, 20 groups of trees and 5 hedges are entirely within the footprint of the scheme and may need to be removed. A further 47 groups of trees, 2 woodlands and 35 hedges are partially within the footprint of the scheme and may need to be partly removed in order to facilitate the scheme.
- 6.1.3 Further trees and hedges may need to be removed in order to provide the working area necessary to construct the scheme. The extent of the working area should take account of trees and should seek to retain them wherever possible. The category rating of the surveyed trees should be used to gauge their value and to prioritise what should be removed and retained.
- 6.1.4 A detailed TPP and AMS have been provided. These highlight those trees, woodlands and hedges which may need to be wholly or partially removed in order to implement the scheme. Details are also given regarding the specification and offset distances for tree protection fencing and the level of continuing arboricultural input that may be required.
- 6.1.5 Tree removals can be mitigated through the implementation of an appropriate post development planting scheme. This should seek to use tree species which are appropriate for the area and which, at maturity, will provide similar visual, cultural and conservation benefits as those which are to be removed. Details of those tree species which may prove suitable for inclusion as part of a post development landscaping scheme are also provided.

APPENDIX A

TREE SURVEY SCHEDULE

TREE SURVEY SCHEDULE

Key

Ref. Nos:	Individual reference number			
Type:	T - Tree	G - Group	W - Woodland	H - Hedge
Species:	Species listed by common name			
Height:	Overall height (m)			
Diameter:	Stem diameter (mm) calculated in accordance with BS 5837 paragraph 4.6.1. An average stem diameter is provided for groups, woodlands and hedges.			
-	Denotes data that has not been collected either because it is not available or is not considered relevant			
No. of Stems:	Number of stems (individual trees only)			
N, E, S, W:	Crown spread taken at each cardinal point (m)			
Lowest Crown Height:	Lowest crown height (m)			
Lowest Branch height:	Height of lowest significant branch (m)			
Age Class:	Young - < 1/3 rd estimated life expectancy	Semi-mature – 1/3 rd to 2/3 rd estimated life expectancy	Mature - > 2/3 rd estimated life expectancy	Veteran – a tree which exists significantly beyond its normal life expectancy
Physiological Condition:	Good	Fair	Poor	Dead
Structural Condition:	Good	Fair	Poor	
Estimated Remaining Contribution:	>10 years	10+ years	20+ years	40+ years
Category:	BS 5837 Category - A, B, C, U BS 5837 Sub-category - 1, 2, 3			
TPF Offset Distances	The minimum distance between the centre of the tree stem and the line of tree protection fencing (m)			

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
472	T	Sycamore	7	175	1	2.5	2.5	2.5	2.5	1.5	2	Semi-Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value	2.1
473	T	Sycamore	16	750	1	7	7	7	7	1	2.5	Mature	Good	Fair	-	20+	B1	Suppressed crown	9
474	T	Ash	17	1200	1	7	7	7	7	1	2.5	Mature	Fair	Fair	-	10+	C1	Decay in upper side of sub-dominant stem	14
475	T	Sycamore	15	900	1	8	8	8	8	1	2.5	Mature	Good	Fair	-	40+	B1	Major stem division at 2.5m	11
476	T	Sycamore	14	910	3	8	8	8	8	1	2	Mature	Good	Fair	-	40+	B1	Major stem division at 1m	11
477	T	Oak	8	1100	1	5	5	5	5	2.5	2	Mature	Poor	Poor	-	10+	C1	Declining tree	13
478	T	Oak	6.5	250	1	2.5	2.5	2.5	2.5	3.5	1.5	Semi-Mature	Fair	Fair	-	40+	C1	A small tree of limited landscape value	3
479	T	Oak	7.5	250	1	3	3	3	3	1.5	2.5	Semi-Mature	Good	Fair	-	40+	C1	A small tree of limited landscape value	3
480	T	Oak	8	225	1	2	2	2	2	3	3	Semi-Mature	Fair	Fair	-	20+	C1	Minor stem wounds; Hanging branch(es) within crown	2.7
481	T	Turkey Oak	8.5	300	1	5.5	5.5	5.5	5.5	1	1.5	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at 1m	3.6
482	T	Ash	15	625	1	6	6	6	6	3	3	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	7.5
483	T	Beech	11	600	1	4	4	4	4	5	4	Mature	Fair	Poor	-	20+	C1	No access; All data estimated; Suppressed crown	7.2
484	T	Beech	16	1000	1	7	7	7	7	3	3	Mature	Fair	Fair	-	20+	B1	No access; All data estimated	12

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
485	T	Ash	14	600	1	5	5	5	5	2	1.5	Mature	Fair	Poor	-	<10	U	Major basal decay	7.2
486	T	Ash	16	900	1	7	7	7	7	2.5	2	Mature	Fair	Fair	-	20+	B1	Minor deadwood in crown	11
487	T	Ash	15	350	2	3.5	3.5	3.5	3.5	4.5	3.5	Semi-Mature	Good	Fair	-	20+	C1	No access from carriageway; All data estimated	4.2
488	T	Ash	14	520	3	4.5	4.5	4.5	4.5	2.5	2.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	6.2
489	T	Oak	7.5	430	2	4	4	4	4	3	2.5	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at 1m	5.2
490	T	Oak	14	600	1	6	6	6	6	2.5	2.5	Mature	Fair	Fair	-	20+	C1	Access not possible; All dimensions estimated	7.2
491	T	Oak	9	575	1	5	5	5	5	1	1.5	Mature	Fair	Fair	-	20+	C1	Evidence of historic storm damage	6.9
492	T	Oak	17	700	1	7	7	7	7	4	3.5	Mature	Fair	Fair	-	40+	B1	Wire grown in to stem base	8.4
493	T	Sycamore	14	600	1	7.5	7.5	7.5	7.5	2	3.5	Mature	Fair	Fair	-	20+	B1	Occluded and partially occluded pruning wounds to stem	7.2
494	T	Sycamore	11	500	1	5	5	5	5	2	3	Mature	Fair	Poor	Fell to ground level within 4 weeks	<10	U	Major basal decay	6
495	T	Sycamore	11	475	1	4.5	4.5	4.5	4.5	4	3.5	Mature	Fair	Poor	-	10+	C1	Occluded and partially occluded pruning wounds to stem	5.7
496	T	Sycamore	12	325	1	3.5	3.5	3.5	3.5	3	3	Mature	Poor	Poor	-	<10	U	Declining tree	3.9

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
497	T	Ash	11	600	1	6.5	6.5	6.5	6.5	2	2	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	7.2
498	T	Ash	13	525	1	7	7	7	7	2	3	Mature	Good	Fair	-	20+	B1	No apparent significant defects	6.3
499	T	Sycamore	7.5	250	1	2.5	2.5	2.5	2.5	2	2	Semi-Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value	3
500	T	Sycamore	15	700	1	7.5	7.5	7.5	7.5	2	2.5	Mature	Good	Fair	-	20+	B1	No apparent significant defects	8.4
501	T	Oak	8.5	590	1	8	7	5	4	5	3.5	Mature	Poor	Fair	-	10+	C1	Declining tree	7.1
502	T	Oak	5.5	150	1	2	2	2	2	2.5	0.5	Semi-Mature	Good	Fair	-	40+	C1	Small self-set tree	1.8
503	T	Holly	7	300	1	4	4	4	4	2.5	2.5	Mature	Good	Fair	-	10+	C1	Located on edge of drive; No obvious defects; TREE NOT TAGGED	3.6
504	T	Ash	9	600	1	3.5	3.5	3.5	3.5	3.5	4	Over Mature	Poor	Poor	-	<10	U	No access to tree; Dimensions estimated; TREE NOT TAGGED; Major internal decay	7.2
505	T	Ash	9	600	1	5	5	5	5	2	2	Mature	Fair	Fair	-	10+	C1	No access to tree; TREE NOT TAGGED; No apparent significant defects	7.2

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
506	T	Oak	12	800	1	8	8	8	8	1	3	Mature	Fair	Fair	-	40+	B1	Minor deadwood; Areas of superficial decay	9.6
507	T	Sycamore	11	800	1	7	7	7	7	4	1	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	9.6
508	T	Sycamore	9	500	1	3.5	3.5	3.5	3.5	3.5	1	Mature	Fair	Fair	-	20+	C1	No apparent significant defects	6
509	T	Oak	11	850	1	8	8	8	8	3.5	2.5	Mature	Fair	Fair	-	40+	B2	No apparent significant defects	10
510	T	Ash	14	900	1	8	8	8	8	3	4	Mature	Good	Poor	-	10+	C1	Weak union between stems	11
511	T	Ash	10	800	1	8	8	8	8	1	1	Mature	Fair	Fair	-	20+	B1	Multi-stemmed tree	9.6
512	T	Oak	8	600	1	5.5	5.5	5.5	5.5	4	2.5	Mature	Fair	Fair	-	40+	B2	No apparent significant defects	7.2
513	T	Oak	6	300	1	3.5	3.5	3.5	3.5	3	1.5	Semi-Mature	Fair	Fair	-	40+	C1	No apparent significant defects; On top of ditch	3.6
514	T	Oak	5.5	290	1	3	3	3	3	3	1.5	Semi-Mature	Fair	Fair	-	40+	C1	Small scrubby tree	3.5
515	T	Oak	8	400	1	5	5	5	5	2.5	3	Mature	Fair	Fair	-	40+	B1	Hedgerow tree; First of group 3 similar specimens	4.8
516	T	Oak	9	650	1	7	7	7	7	3.5	3.5	Mature	Fair	Fair	-	40+	B2	Dense ivy to stem	7.8
517	T	Oak	8.5	525	1	4.5	4.5	4.5	4.5	3	2.5	Mature	Fair	Fair	-	40+	C1	Lower limb lopped over track	6.3

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
518	T	Oak	13	1000	1	8	8	8	8	3.5	5.5	Mature	Good	Fair	-	40+	B2	Minor stem decay; Dead branch(es) within crown	12
519	T	Sycamore	12	750	1	6.5	6.5	6.5	6.5	4	5.5	Mature	Good	Fair	-	20+	B2	Minor stem wounds	9
520	T	Sycamore	9.5	500	1	5.5	5.5	5.5	5.5	2.5	1.5	Mature	Good	Fair	-	20+	C1	No apparent significant defects	6
521	T	Sycamore	16	1200	1	9	9	9	9	3	3	Mature	Good	Fair	-	40+	B1	Dense ivy to stem; Dense ivy within crown	14
522	T	Oak	9.5	425	1	6.5	6.5	6.5	6.5	4.5	3.5	Mature	Fair	Fair	-	40+	C1	No apparent significant defects; Tree is one of two; Adjacent tree has been heavily lopped and is of low value	5.1
523	T	Sycamore	8.5	400	1	4.5	4.5	4.5	4.5	4.5	3.5	Over Mature	Fair	Poor	-	10+	C1	A tree with future potential; Lopped to accommodate overhead power line	4.8
524	T	Sycamore	12	650	1	5	5	5	5	6.5	3	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; On river bank	7.8
525	T	Ash	13	600	1	6.5	6.5	6.5	6.5	3.5	3.5	Mature	Fair	Fair	-	20+	B1	Leaning stem; Minor deadwood in crown; Tree not tagged as no access; Tree on river bank	7.2
526	T	Sycamore	8.5	420	1	4	4	4	4	2.5	2	Mature	Fair	Fair	-	20+	C1	Dense ivy to stem	5

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
527	T	Sycamore	9.5	225	1	2.5	2.5	2.5	2.5	0.5	0.5	Semi-Mature	Fair	Poor	-	10+	C1	A tree with little future potential; Suppressed crown	2.7
528	T	Ash	16	800	1	7	7	7	7	4	7.5	Mature	Fair	Fair	-	10+	B1	Dense ivy to stem; Unbalanced crown; Possible internal decay	9.6
529	T	Oak	8.5	500	1	6	6	6	6	2	2	Mature	Good	Fair	-	40+	B1	No apparent significant defects	6
530	T	Oak	8	750	1	7	7	7	7	2	3.5	Mature	Fair	Fair	-	20+	C1	Minor stem decay; Decaying branch(es) within crown	9
531	T	Sycamore	13	500	1	5.5	5.5	5.5	5.5	3	4.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; Dense ivy within crown	6
532	T	Oak	16	700	1	8	8	8	8	3.5	4.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects; Dense ivy to stem	8.4
533	T	Oak	11	725	1	6.5	6.5	6.5	6.5	2	2.5	Mature	Good	Fair	-	40+	B2	No apparent significant defects	8.7
534	T	Oak	15	800	1	6	6	6	6	3.5	5.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	9.6
535	T	Oak	12	450	1	5	5	5	5	2.5	2.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	5.4
536	T	Oak	13	750	1	5.5	5.5	5.5	5.5	2.5	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	9

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
537	T	Ash	16	725	1	7.5	7.5	7.5	7.5	2	2.5	Mature	Good	Fair	-	20+	B1	Minor branch decay and torn limb	8.7
538	T	Ash	8	450	1	4.5	4.5	4.5	4.5	3	1.5	Over Mature	Good	Fair	-	20+	C1	Wire embedded in stem	5.4
539	T	Ash	14	675	1	7.5	7.5	7.5	7.5	3.5	3.5	Mature	Fair	Fair	-	10+	C1	Minor stem decay	8.1
540	T	Oak	11	650	1	7	7	7	7	3.5	2	Mature	Good	Fair	-	40+	B1	Dense ivy to stem; Dense ivy within crown	7.8
541	T	Sycamore	11	700	1	5.5	5.5	5.5	5.5	3	2.5	Over Mature	Fair	Poor	-	<10	C1	Major basal decay	8.4
542	T	Oak	14	600	1	6	6	6	6	3	3	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	7.2
543	T	Ash	15	780	1	7.5	7.5	7.5	7.5	2.5	4	Mature	Fair	Fair	-	20+	B1	Twin-stemmed tree	9.4
544	T	Ash	9	350	1	5.5	5.5	5.5	5.5	3	2.5	Semi-Mature	Fair	Fair	-	10+	C1	Above wall; Major pruning wound to base	4.2
545	T	Oak	7	350	1	4	4	4	4	3	1.5	Semi-Mature	Good	Fair	-	40+	C1	Dense ivy to stem	4.2
546	T	Oak	5.5	225	1	3	3	3	3	3	0.5	Semi-Mature	Good	Poor	-	10+	C1	Small stunted tree; Poor form	2.7
547	T	Oak	9.5	625	1	7.5	7.5	7.5	7.5	2	2.5	Mature	Good	Fair	-	20+	C1	Minor stem decay	7.5
548	T	Ash	14	820	1	8	8	8	8	2.5	2	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; Major stem division at ground level; Weak union between stems	9.8
549	T	Oak	14	700	1	8	8	8	8	3.5	3	Mature	Fair	Fair	-	40+	B1	Minor dieback in upr crown	8.4
550	T	Ash	12	550	1	4.5	4.5	4.5	4.5	4	3.5	Mature	Fair	Fair	-	10+	C1	Dense ivy to stem; Minor crown dieback	6.6

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
551	T	Ash	14	725	1	6	6	6	6	3.5	2	Mature	Fair	Fair	-	20+	B1	No apparent significant defects; Dense ivy to stem	8.7
552	T	Oak	15	700	1	8	8	8	8	3.5	4	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem; Swept stem	8.4
553	T	Oak	5	750	1	3	3	3	3	2.5	2	Over Mature	Fair	Poor	-	20+	C3	Major stem decay; Decaying branch(es) within crown; Potential conservation value	9
554	T	Oak	7.5	500	1	6	6	6	6	2.5	3.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects; End tree of group of similar specimens	6
555	T	Oak	8.5	350	1	5	5	5	5	4	2	Semi-Mature	Good	Fair	-	40+	C1	No apparent significant defects	4.2
556	T	Oak	8.5	475	1	5.5	5.5	5.5	5.5	3	2	Semi-Mature	Good	Fair	-	40+	C1	No apparent significant defects	5.7
557	T	Oak	5.5	300	1	4	4	4	4	3.5	2	Semi-Mature	Poor	Fair	-	10+	C1	Small scrubby tree	3.6
558	T	Oak	6.5	575	1	5.5	5.5	5.5	5.5	3	1.5	Mature	Fair	Fair	-	40+	C1	No apparent significant defects; Ivy to stem	6.9
559	T	Oak	6.5	400	1	4.5	4.5	4.5	4.5	5	3.5	Mature	Fair	-	-	40+	C1	Dense ivy to stem; Dense ivy within crown	4.8

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
560	T	Oak	8	780	1	8	8	8	8	4.5	2.5	Mature	Good	Fair	-	40+	B1	Dense ivy to stem; Multi-stemmed tree	9.4
561	T	Ash	11	525	1	5	5	5	5	2.5	3	Mature	Good	Fair	-	20+	C1	Swept stem	6.3
561	T	Ash	14	700	1	5	5	5	5	4	4.5	Over Mature	Fair	Poor	-	10+	C1	Major stem decay; Decaying branch(es) within crown	8.4
562	T	Ash	14	450	1	4.5	4.5	4.5	4.5	2	3.5	Over Mature	Good	Poor	-	10+	C1	Major stem division at 2m; Weak union between stems	5.4
563	T	Oak	8.5	325	1	5	5	5	5	3.5	2	Semi-Mature	Good	Fair	-	40+	C1	No apparent significant defects	3.9
564	T	Ash	15	525	1	4.5	4.5	4.5	4.5	3	5.5	Mature	Fair	Fair	-	10+	C1	Minor stem wounds; Poor form	6.3
565	T	Oak	11	650	1	7.5	7.5	7.5	7.5	4	4.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	7.8
566	T	Scots Pine	13	350	1	2.5	2.5	2.5	2.5	5.5	6	Mature	Fair	Fair	-	20+	C1	Average form for species	4.2
567	T	Oak	5	300	1	3.5	3.5	3.5	3.5	3.5	2	Mature	Poor	Fair	-	<10	U	Declining tree	3.6
568	T	Ash	14	525	1	3.5	3.5	3.5	3.5	3.5	3.5	Mature	Fair	Fair	-	10+	C1	Dense ivy to stem; Leaning stem; Suppressed crown	6.3
569	T	Sycamore	8.5	375	1	4.5	4.5	4.5	4.5	3.5	3	Semi-Mature	Good	Fair	-	40+	C1	No apparent significant defects	4.5
570	T	Sycamore	7	250	1	3	3	3	3	0.5	1	Semi-Mature	Good	Fair	-	40+	C1	A tree with insignificant defects	3
571	T	Sycamore	15	800	1	6	6	6	6	4	4.5	Mature	Fair	Fair	-	20+	B1	Minor stem wounds	9.6

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
572	T	Sycamore	13	550	1	6	6	6	6	4.5	3	Mature	Good	Fair	-	20+	B1	No apparent significant defects	6.6
573	T	Sycamore	15	950	1	8	8	8	8	4	4	Mature	Good	Fair	-	20+	B1	Major stem division at 2m	11
574	T	Beech	17	800	1	7.5	7.5	7.5	7.5	0.5	3.5	Mature	Fair	Fair	-	20+	C1	Minor basal decay	9.6
575	T	Oak	9	800	1	9	9	9	9	2	2	Mature	Fair	Fair	-	40+	B1	Leaning stem; Minor stem decay	9.6
576	T	Alder	9	390	1	3	3	3	3	3.5	3.5	Mature	Fair	Fair	-	10+	C1	Major stem division at ground level	4.7
577	T	Oak	13	550	1	5	5	5	5	2	4	Mature	Fair	Fair	-	20+	C1	Major stem wounds	6.6
578	T	Oak	11	650	1	6	6	6	6	2.5	2	Mature	Good	Fair	-	40+	B1	No apparent significant defects	7.8
579	T	Ash	12	500	1	6	6	6	6	3	3.5	Mature	Fair	Fair	-	20+	C1	Minor stem decay	6
580	T	Ash	10	650	1	5	5	5	5	3	2.5	Mature	Fair	Poor	-	<10	U	Minor stem decay	7.8
581	T	Oak	8	375	1	5	5	5	5	2	2	Semi-Mature	Good	Fair	-	40+	C1	No apparent significant defects	4.5
582	T	Oak	14	700	1	7.5	7.5	7.5	7.5	4	3	Mature	Good	Fair	-	40+	B1	No apparent significant defects	8.4
583	T	Oak	9	700	1	7.5	7.5	7.5	7.5	2	2.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	8.4
584	T	Oak	9	650	1	7.5	7.5	7.5	7.5	2	2	Mature	Good	Fair	-	40+	B1	No apparent significant defects	7.8
585	T	Ash	18	1500	1	9	9	9	9	2.5	4	Over Mature	Fair	Poor	-	10+	C3	-	15
586	T	Ash	15	800	1	5	5	5	5	3.5	2.5	Mature	Fair	Poor	-	10+	C1	Broken stem; ; Major stem decay	9.6

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
587	T	Oak	13	670	1	7	7	7	7	3	2.5	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem; Major stem division at 1m	8
588	T	Ash	17	800	1	7	7	7	7	3.5	5	Mature	Fair	Fair	-	20+	B1	Dense ivy prevented full inspection; Dense ivy to stem	9.6
589	T	Oak	13	525	1	6	6	6	6	4	3.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	6.3
590	T	Oak	7	400	1	3	3	3	3	4	3.5	Semi-Mature	Fair	Fair	-	20+	C1	Small scrubby tree; ; Dense ivy prevented full inspection; Dense ivy to stem	4.8
591	T	Oak	11	650	1	5.5	5.5	5.5	5.5	4.5	4	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	7.8
592	T	Oak	14	1000	1	9.5	9.5	9.5	9.5	4	4	Mature	Fair	Fair	-	40+	B1	Major stem division at 1m	12
593	T	Oak	14	700	1	8	8	8	8	3.5	4.5	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem; Leaning stem	8.4
594	T	Oak	14	650	1	6	6	6	6	7	5	Mature	Fair	Fair	-	40+	B1	Minor stem decay	7.8
595	T	Ash	14	540	1	6	6	6	6	3.5	2	Mature	Good	Fair	-	20+	B1	No apparent significant defects	6.5
596	T	Ash	13	450	1	5	5	5	5	3	3	Mature	Good	Fair	-	20+	B1	No apparent significant defects	5.4
597	T	Sycamore	13	650	1	5.5	5.5	5.5	5.5	3.5	3	Mature	Good	Fair	-	20+	B1	Major stem division at 2m; Weak union between stems	7.8

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
598	T	Ash	16	700	1	8	8	8	8	1.5	3	Mature	Good	Fair	-	20+	B1	No apparent significant defects; Positioned close to edge of quarry	8.4
599	T	Hornbeam	14	880	1	7.5	7.5	7.5	7.5	1	2	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; Major stem division at ground level; On edge of quarry	11
600	T	Sycamore	16	650	1	7.5	7.5	7.5	7.5	2.5	2.5	Mature	Fair	Fair	-	20+	B1	Minor basal decay	7.8
601	T	Oak	9.5	600	1	5	5	5	5	3.5	3.5	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	7.2
602	T	Sycamore	14	890	1	6	6	6	6	5.5	5.5	Mature	Fair	Fair	-	20+	B1	Major stem division at ground level	11
603	T	Oak	12	600	1	7	7	7	7	3	4.5	Mature	Fair	-	-	40+	B1	No apparent significant defects	7.2
604	T	Ash	12	460	1	4.5	4.5	4.5	4.5	3.5	3	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at 1m	5.5
605	T	Oak	12	550	1	3.5	3.5	3.5	3.5	4.5	4	Mature	Fair	Poor	-	10+	C1	Tree has been partially topped	6.6
606	T	Alder	9	260	1	2.5	2.5	2.5	2.5	3	3	Mature	Fair	Fair	-	10+	C1	Group of multiple stems	3.1
607	T	Oak	17	1000	1	9	9	9	9	4.5	3.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects; Dense ivy to stem; Within private garden	12
608	T	Oak	11	900	1	9.5	9.5	9.5	9.5	3	5.5	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	11

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
609	T	Sycamore	18	900	1	6.5	6.5	6.5	6.5	2.5	3	Mature	Good	Fair	-	40+	B1	Dense ivy to stem; Tree is within neighbouring land	11
610	T	Oak	11	1000	1	8	8	8	8	3	5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects; Tree is within neighbouring land	12
611	T	Oak	11	1000	1	6.5	6.5	6.5	6.5	2.5	3.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	12
612	T	Sycamore	12	640	1	5.5	5.5	5.5	5.5	2.5	2.5	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at ground level	7.7
613	T	Sycamore	15	600	1	6.5	6.5	6.5	6.5	2.5	2.5	Mature	Good	Fair	-	20+	B1	No apparent significant defects	7.2
614	T	Sycamore	17	600	1	5.5	5.5	5.5	5.5	2.5	3.5	Mature	Fair	Fair	-	20+	B1	Minor stem wounds	7.2
615	T	Ash	11	650	1	4.5	4.5	4.5	4.5	2.5	2	Over Mature	Poor	Poor	-	<10	U	Declining tree	7.8
616	T	Ash	8	800	1	3	-	-	-	2.5	1.5	Over Mature	Poor	Poor	-	<10	U	Declining tree; Major stem decay	9.6
617	T	Sycamore	17	800	1	7.5	7.5	7.5	7.5	2.5	3	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	9.6
618	T	Oak	11	600	1	6.5	6.5	6.5	6.5	2	2.5	Mature	Fair	Poor	-	20+	C1	Major stem decay; Snapped top	7.2
619	T	Sycamore	18	625	1	5	5	5	5	3.5	5	Mature	Fair	Fair	-	20+	B1	Minor stem wounds	7.5
620	T	Ash	17	850	1	7	7	7	7	2.5	3	Mature	Fair	Fair	-	20+	B1	Major deadwood in crown	10

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
621	T	Sycamore	17	525	1	5	5	5	5	8	7	Mature	Fair	-	-	20+	B1	No apparent significant defects; Within private garden; TAG NOT USED	6.3
622	T	Lime	19	1100	1	6.5	6.5	6.5	6.5	2	2.5	Mature	Fair	Fair	-	20+	B1	No apparent significant defects; On edge of private garden	13
623	T	Sycamore	14	600	1	7.5	7.5	7.5	7.5	2.5	2.5	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	7.2
624	T	Oak	15	1400	1	10	10	10	10	2.5	2	Mature	Good	Fair	-	40+	B1	No apparent significant defects	15
625	T	Ash	14	420	1	4.5	4.5	4.5	4.5	2.5	3	Mature	Fair	Poor	-	20+	C1	Major stem division at 0.5m; Weak union between stems	5
626	T	Sycamore	15	720	1	6	6	6	6	4	4	Mature	Fair	Fair	-	10+	C1	Major stem division at 1m; Weak union between stems	8.6
627	T	Sycamore	15	800	1	6.5	6.5	6.5	6.5	4.5	2	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	9.6
628	T	Sycamore	15	650	1	5	5	5	5	5	4	Over Mature	Poor	Poor	-	<10	U	Declining tree	7.8
629	T	Sycamore	16	650	1	6.5	6.5	6.5	6.5	3	3	Mature	Fair	Poor	-	<10	U	Major basal decay	7.8
630	T	Sycamore	13	525	1	7.5	7.5	7.5	7.5	2.5	3	Mature	Fair	Poor	-	10+	C1	Major basal decay	6.3

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
631	T	Sycamore	15	650	1	4.5	4.5	4.5	4.5	3	5	Mature	Poor	Fair	-	10+	C1	Dense ivy prevented full inspection; Dense ivy to stem; Minor stem wounds	7.8
632	T	Sycamore	15	650	1	7.5	7.5	7.5	7.5	2	2.5	Mature	Fair	Fair	-	20+	B1	Minor stem wounds; Limited access for inspection	7.8
633	T	Sycamore	18	700	1	8.5	8.5	8.5	8.5	4	4.5	Mature	Fair	Fair	-	20+	B1	Dense ivy prevented full inspection; Dense ivy to stem	8.4
634	T	Oak	11	700	1	7	7	7	7	3.5	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	8.4
635	T	Sycamore	15	450	1	5.5	5.5	5.5	5.5	2	2.5	Mature	Good	Fair	-	20+	B1	Dense ivy to stem	5.4
636	T	Sycamore	16	870	1	7.5	7.5	7.5	7.5	2.5	2	Mature	Fair	Fair	-	10+	C1	Major stem division at ground level; Weak union between stems	10
637	T	Sycamore	16	1000	1	8	8	8	8	2.5	2	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	12
638	T	Ash	18	1000	1	7.5	7.5	7.5	7.5	2.5	2.5	Over Mature	Fair	Fair	-	10+	C1	Major stem decay; Minor crown dieback	12
639	T	Oak	11	450	1	5.5	5.5	5.5	5.5	3	3	Mature	Good	Fair	-	40+	C1	No apparent significant defects	5.4
640	T	Oak	11	650	1	6	6	6	6	2	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	7.8
641	T	Oak	14	900	1	8	8	8	8	3	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	11

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
642	T	Ash	13	650	1	5	5	5	5	2	3	Mature	Fair	Poor	-	10+	C1	Decaying branch(es) within crown	7.8
643	T	Ash	9.5	325	1	4.5	4.5	4.5	4.5	2	2.5	Semi-Mature	Good	Fair	-	20+	C2	Group of two trees; ; No apparent significant defects	3.9
644	T	Oak	18	1000	1	10	10	10	10	4.5	3.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects; Dense ivy to stem; Leaning stem	12
645	T	Oak	15	800	1	9	9	9	9	4	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	9.6
646	T	Sycamore	11	650	1	5.5	5.5	5.5	5.5	4.5	3	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	7.8
647	T	Oak	10	600	1	5.5	5.5	5.5	5.5	1.5	2.5	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	7.2
648	T	Oak	10	500	1	5.5	5.5	5.5	5.5	3	3	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	6
649	T	Oak	12	450	1	5.5	5.5	5.5	5.5	2.5	4	Mature	Fair	Fair	-	40+	B1	Minor stem wounds	5.4
650	T	Oak	11	500	1	6	6	6	6	2.5	3.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	6
651	T	Oak	10	650	1	5.5	5.5	5.5	5.5	4	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	7.8
652	T	Ash	13	620	1	6.5	6.5	6.5	6.5	5	4	Mature	Fair	Fair	-	20+	C1	Major stem division at 1m	7.4
653	T	Ash; Oak	11	450	1	4.5	4.5	4.5	4.5	5.5	1.5	Semi-Mature	Fair	Poor	-	10+	C1	Two trees	5.4

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
654	T	Oak	11	450	1	5.5	5.5	5.5	5.5	4.5	2.5	Semi-Mature	Good	Fair	-	20+	C1	No apparent significant defects	5.4
655	T	Ash	12	350	1	5.5	5.5	5.5	5.5	2	2.5	Semi-Mature	Good	Fair	-	20+	C1	No apparent significant defects	4.2
656	T	Ash	15	850	1	6	6	6	6	2.5	2	Mature	Fair	Fair	-	20+	C1	Major stem division at 1m	10
657	T	Sycamore	9	330	1	4.5	4.5	4.5	4.5	2.5	2.5	Semi-Mature	Fair	Fair	-	20+	C1	Multi-stemmed tree	4
658	T	Oak	8.5	475	1	5.5	5.5	5.5	5.5	2.5	2.5	Mature	Fair	Fair	-	20+	C1	No apparent significant defects	5.7
659	T	Oak	12	1000	1	7.5	7.5	7.5	7.5	4.5	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	12
660	T	Sycamore	9	420	1	4.5	4.5	4.5	4.5	2.5	1	Semi-Mature	Fair	Fair	-	20+	C1	Major stem division at ground level	5
661	T	Ash	8.5	339	8	4.5	4.5	4.5	4.5	2	2.5	Mature	Fair	Poor	-	10+	C1	Historically coppiced; Basal decay	4.1
662	T	Ash	10	450	1	5.5	5.5	5.5	5.5	2.5	3.5	Mature	Fair	Poor	-	10+	C2	Group of 2 multi-stemmed trees; ; Major stem division at ground level; Weak union between stems	5.4
663	T	Ash	12	550	1	6.5	6.5	6.5	6.5	2	3.5	Mature	Fair	Fair	-	10+	C1	No apparent significant defects	6.6
664	T	Ash	14	1100	1	8.5	8.5	8.5	8.5	2.5	1.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	13
665	T	Oak	12	775	1	8	8	8	8	3.5	3.5	Mature	Fair	Fair	-	40+	B3	No apparent significant defects	9.3

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
666	T	Ash	9	300	1	3.5	3.5	3.5	3.5	2.5	3.5	Semi-Mature	Good	Fair	-	20+	C1	No apparent significant defects; Growing on top of stone bank	3.6
667	T	Sycamore	8	500	1	3.5	3.5	3.5	3.5	3.5	1.5	Mature	Good	Fair	-	20+	C1	Major stem division at ground level	6
668	T	Oak	9	625	1	5.5	5.5	5.5	5.5	3	2.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	7.5
669	T	Oak	8.5	350	1	3.5	3.5	3.5	3.5	4.5	3.5	Mature	Poor	Poor	-	<10	U	Major basal decay; Major stem decay	4.2
670	T	Oak	9.5	450	1	4.5	4.5	4.5	4.5	2.5	2.5	Mature	Fair	Fair	-	20+	C1	No apparent significant defects; Dense ivy to stem; Wire within stem	5.4
671	T	Oak	9	450	1	6	6	6	6	2.5	3	Mature	Good	Fair	-	40+	B1	No apparent significant defects	5.4
672	T	Oak	9.5	800	1	7.5	7.5	7.5	7.5	3	1.5	Mature	Fair	Fair	-	40+	B1	Swept stem; No apparent significant defects	9.6
673	T	Oak	10	930	1	6.5	6.5	6.5	6.5	3	3.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects; Major stem division at ground level	11
674	T	Oak	4.5	340	1	3.5	3.5	3.5	3.5	2.5	0.5	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at 0.5m	4.1

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
675	T	Hawthorn	4.5	375	1	3	3	3	3	2	0.5	Mature	Fair	Fair	-	10+	C1	A small tree of limited landscape value	4.5
676	T	Oak	9	275	1	3.5	3.5	3.5	3.5	3	2.5	Semi-Mature	Fair	Fair	-	20+	C1	Partially suppressed; TREE NOT TAGGED	3.3
677	T	Birch	8	200	1	3	3	3	3	0.5	1	Semi-Mature	Good	Fair	-	20+	C1	Dense ivy to stem; No access to tree	2.4
678	T	Poplar	14	250	1	4	4	4	4	3.5	3	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at 3.5m; No access to tree	3
679	T	Oak	5	340	1	4.5	4.5	4.5	4.5	3	1	Semi-Mature	Fair	Fair	-	20+	C1	Small scrubby tree	4.1
680	T	Goat Willow	5	325	1	3	3	3	3	0.5	0.5	Mature	Fair	Fair	-	10+	C1	Minor basal decay	3.9
681	T	Blackthorn	4.5	367	1	2.5	2.5	2.5	2.5	1.5	1.5	Mature	Fair	Fair	-	10+	C1	Multi-stemmed tree	4.4
682	T	Hawthorn	4.5	320	1	2.5	2.5	2.5	2.5	1	1	Mature	Fair	Fair	-	10+	C1	A small tree of limited landscape value	3.8
683	T	Oak	7	500	1	5.5	5.5	5.5	5.5	4	3	Mature	Fair	Fair	-	20+	C1	Wire engulfed in stem	6
684	T	Oak	4	150	1	2.5	2.5	2.5	2.5	3	1.5	Semi-Mature	Fair	Fair	-	10+	C1	A small tree of limited landscape value	1.8
685	T	Oak	3	170	1	2	2	2	2	2	1.5	Semi-Mature	Fair	Fair	-	10+	C1	A small tree of limited landscape value	2
686	T	Goat Willow	4	400	1	3.5	3.5	3.5	3.5	1	1	Mature	Fair	Fair	-	10+	C1	A small tree of limited landscape value	4.8
687	T	Oak	7	400	1	5.5	5.5	5.5	5.5	3	1	Mature	Fair	Fair	-	20+	C1	Minor deadwood in crown	4.8
688	T	Alder	7.5	300	1	2.5	2.5	2.5	2.5	2.5	0.5	Over Mature	Poor	Poor	-	<10	U	Declining tree	3.6

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
689	T	Sycamore	8	310	1	3.5	3.5	3.5	3.5	1.5	1.5	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at ground level	3.7
690	T	Sycamore	8.5	450	1	3.5	3.5	3.5	3.5	2	2	Mature	Good	Fair	-	20+	C1	Minor stem decay	5.4
691	T	Goat Willow	6.5	290	1	4.5	4.5	4.5	4.5	0	1	Mature	Good	Poor	-	<10	C1	Minor stem decay; Weak union between stems	3.5
692	T	Oak	4.5	275	1	4	4	4	4	1.5	1.5	Semi-Mature	Good	Fair	-	20+	C1	Wire grown into stem	3.3
693	T	Oak	5	100	1	3	3	3	3	2	2	Semi-Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value	1.2
694	T	Oak	6	380	1	5.5	5.5	5.5	5.5	2	2	Mature	Fair	Fair	-	40+	C1	No apparent significant defects	4.6
695	T	Oak	6	250	1	3.5	3.5	3.5	3.5	1.5	1.5	Semi-Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value; No apparent significant defects	3
696	T	Hawthorn	3.5	200	1	2.5	2.5	2.5	2.5	2	1	Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value	2.4
697	T	Oak	4	275	1	3	3	3	3	2	1.5	Semi-Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value; A tree with little future potential; Multi-stemmed tree	3.3
698	T	Ash	7	400	1	3.5	3.5	3.5	3.5	3	1.5	Mature	Fair	Fair	-	10+	C1	Minor basal decay; Multi-stemmed tree	4.8

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
699	T	Goat Willow	5	320	1	3	3	3	3	2.5	2	Mature	Fair	Fair	-	10+	C1	Major stem division at ground level	3.8
700	T	Ash	4.5	245	1	3	3	3	3	2.5	1	Mature	Fair	Poor	-	10+	C1	Multi-stemmed tree	2.9
701	T	Ash	5	238	1	2.5	2.5	2.5	2.5	2.5	1.5	Mature	Fair	Poor	-	10+	C1	A small tree of limited landscape value; A tree with little future potential; Multi-stemmed tree	2.9
702	T	Oak	4	325	1	3	3	3	3	2.5	1.5	Mature	Fair	Fair	-	20+	C1	A small tree of limited landscape value; A tree with little future potential	3.9
703	T	Sycamore	15	600	1	6	6	6	6	3	0.5	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	7.2
704	T	Sycamore	10	500	1	5.5	5.5	5.5	5.5	3	2.5	Mature	Fair	Fair	-	20+	C1	Major stem division at 1m	6
705	T	Sycamore	13	500	1	6	6	6	6	1.5	2	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	6
706	T	Alder	8.5	440	1	4.5	4.5	4.5	4.5	2.5	1	Mature	Fair	Fair	-	10+	C1	Multi-stemmed tree	5.3
707	T	Alder	6.5	340	1	4.5	4.5	4.5	4.5	2.5	2	Mature	Fair	Fair	-	10+	C1	Multi-stemmed tree	4.1
708	T	Spruce	10	300	1	2.5	2.5	2.5	2.5	1	0.5	Semi-Mature	Fair	Fair	-	20+	C1	No apparent significant defects	3.6
709	T	-	11	700	1	6.5	6.5	6.5	6.5	3	2	Mature	Fair	Fair	-	20+	C1	Minor basal decay	8.4
710	T	Alder	11	600	1	3.5	3.5	3.5	3.5	2	1	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	7.2

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
711	T	Alder	10	780	1	4.5	4.5	4.5	4.5	1.5	1	Over Mature	Fair	Fair	-	10+	C1	No apparent significant defects; No access to tree; Tree to rear of tin stock shelter; Evidence of decline	9.4
712	T	Sycamore	9.5	550	1	4	4	4	4	2	2	Mature	Fair	Poor	-	<10	U	Major stem division at 1m; Weak union between stems	6.6
713	T	Sycamore	11	450	1	4	4	4	4	1.5	2.5	Mature	Fair	Fair	-	20+	C1	Major stem division at 2.5m	5.4
714	T	Oak	8	530	1	3.5	3.5	3.5	3.5	3.5	2	Mature	Fair	Fair	-	20+	C1	Major stem division at ground level	6.4
715	T	Oak	8.5	400	1	6.5	6.5	6.5	6.5	2	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	4.8
716	T	Goat Willow	5.5	200	1	2.5	2.5	2.5	2.5	1.5	1.5	Mature	Fair	Fair	-	10+	C1	A small tree of limited landscape value	2.4
717	T	Goat Willow	6.5	300	1	3.5	3.5	3.5	3.5	1.5	2	Mature	Fair	Poor	-	<10	U	Minor basal decay; Major stem division at 2m; Weak union between stems	3.6
718	T	Goat Willow	4.5	390	1	4.5	4.5	4.5	4.5	1.5	1.5	Over Mature	Fair	Poor	-	<10	U	Dead bark on stem; Major stem division at ground level; Weak union between stems	4.7

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
719	T	Oak	9.5	650	1	6.5	6.5	6.5	6.5	2.5	2	Mature	Fair	Fair	-	40+	B1	No apparent significant defects; Minor stem decay	7.8
720	T	Oak	11	1100	1	7.5	7.5	7.5	7.5	3	3.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	13
721	T	Oak	10	800	1	4	4	4	4	3.5	3	Over Mature	Fair	Poor	-	10+	C1	Major stem decay; Major stem wounds	9.6
722	T	Oak	10	800	1	5.5	5.5	5.5	5.5	1.5	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	9.6
723	T	Ash	11	750	1	8	8	8	8	2.5	2	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	9
724	T	Ash	8	350	1	4.5	4.5	4.5	4.5	1.5	2	Semi-Mature	Good	Fair	-	40+	B1	No apparent significant defects	4.2
725	T	Ash	11	300	1	4.5	4.5	4.5	4.5	3.5	2.5	Semi-Mature	Good	Fair	-	20+	C1	Multi-stemmed tree	3.6
726	T	Ash	11	350	1	4.5	4.5	4.5	4.5	2	2	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at 1m; Multi-stemmed tree	4.2
727	T	Oak	9.5	550	1	5	5	5	5	3.5	4	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	6.6
728	T	Oak	9	650	1	5.5	5.5	5.5	5.5	4	3	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem	7.8
729	T	Oak	9.5	725	1	8	8	8	8	3.5	3.5	Mature	Fair	Fair	-	40+	B1	Dense ivy to stem; TREE NOT TAGGED	8.7
730	T	Ash	12	1200	1	7	7	7	7	4	3	Over Mature	Fair	Fair	-	10+	C1	Declining tree; Dense ivy to stem; Minor crown dieback	14

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
731	T	Ash	14	1200	1	6.5	6.5	6.5	6.5	2	3	Over Mature	Fair	Poor	-	10+	C1	Dense ivy to stem; Suspected internal decay; Inonotus bracket at base of tree	14
732	T	Oak	12	1100	1	8	8	8	8	2.5	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	13
733	T	Oak	11	1100	1	7.5	7.5	7.5	7.5	3	2	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	13
734	T	Oak	11	800	1	6	6	6	6	2	2	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	9.6
735	T	Oak	11	1100	1	7	7	7	7	2	1	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	13
736	T	Ash	13	1125	1	6	6	6	6	3	5	Mature	Fair	Poor	-	10+	C1	Major stem decay	14
737	T	Sycamore	10	670	1	5.5	5.5	5.5	5.5	3.5	3	Mature	Fair	Poor	-	<10	U	Root decay evident; Major basal decay	8
738	T	Ash	13	1200	1	7.5	7.5	7.5	7.5	3.5	3.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	14
739	T	Sycamore	12	300	1	3.5	3.5	3.5	3.5	2.5	2	Semi-Mature	Good	Fair	-	20+	C1	No apparent significant defects	3.6
740	T	Sycamore	9.5	350	1	3	3	3	3	2	2	Semi-Mature	Good	Fair	-	20+	C1	Suppressed crown	4.2
741	T	Oak	11	1100	1	7	7	7	7	2.5	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	13
742	T	Oak	11	800	1	4.5	4.5	4.5	4.5	3.5	4.5	Over Mature	Fair	Poor	-	<10	U	Major stem decay	9.6
743	T	Oak	14	1100	1	9	9	9	9	2	2.5	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	13

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
744	T	Sycamore	8.5	390	1	3.5	3.5	3.5	3.5	2.5	2	Semi-Mature	Good	Fair	-	20+	C1	Major stem division at ground level	4.7
745	T	Sycamore	16	1250	1	8.5	8.5	8.5	8.5	2	1.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; Major stem division at 1m	15
746	T	Sycamore	14	1050	1	6.5	6.5	6.5	6.5	2.5	2.5	Mature	Fair	Poor	-	10+	C1	Dense ivy to stem; Dense ivy within crown; Major basal decay	13
747	T	Sycamore	14	850	1	6	6	6	6	2.5	2.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	10
748	T	Sycamore	14	800	1	7	7	7	7	2.5	2.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	9.6
749	T	Sycamore	14	800	1	7	7	7	7	1.5	2.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	9.6
750	T	Oak	16	1200	1	8	8	8	8	4	3	Mature	Fair	Fair	-	40+	B1	Major historic storm damage	14
751	T	Sycamore	14	780	3	6	6	6	6	1.5	2	Mature	Good	Fair	-	20+	B1	Dense ivy to stem	9.4
752	T	Sycamore	14	1140	2	7.5	7.5	7.5	7.5	2.5	4.5	Mature	Good	Fair	-	20+	B1	No apparent significant defects; Minor stem decay	14
753	T	Sycamore	14	750	1	7.5	7.5	7.5	7.5	3	4.5	Mature	Good	Fair	-	20+	B1	No apparent significant defects; Dense ivy to stem	9
754	T	Sycamore	14	900	1	7	7	7	7	3.5	3	Mature	Fair	Fair	-	20+	B1	Minor basal decay; Minor crown dieback	11
755	T	Sycamore	8.5	500	1	5	5	5	5	2.5	0.5	Mature	Fair	Poor	-	10+	C1	Major basal decay	6

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
756	T	Sycamore	8.5	660	3	4	4	4	4	2.5	2	Mature	Fair	Fair	-	20+	C1	Major stem division at 1m; Weak union between stems	7.9
757	T	Sycamore	15	550	3	5.5	5.5	5.5	5.5	2.5	5	Mature	Fair	Fair	-	10+	C1	Major stem division at 1m; Weak union between stems; Pruned to clear overhead cables	6.6
758	T	Norway Maple	12	275	1	4.5	4.5	4.5	4.5	3.5	3	Semi-Mature	Fair	Poor	-	<10	U	Major stem decay; Major stem wounds	3.3
759	T	Norway Maple	12	400	1	4.5	4.5	4.5	4.5	1.5	2.5	Semi-Mature	Fair	Poor	-	10+	C1	Weak union(s) between branch(es) and stem	4.8
760	T	Sycamore	17	750	1	8	8	8	8	5	5	Mature	Good	Fair	-	20+	B1	Occluded and partially occluded pruning wounds to stem	9
761	T	London Plane	14	450	1	8.5	8.5	8.5	8.5	1.5	0.5	Semi-Mature	Good	Good	-	40+	C1	No apparent significant defects; Slightly suppressed by adjacent conifers	5.4
762	T	Monterey Cypress	16	750	1	3	3	3	3	2.5	3	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem	9
763	T	Oak	14	625	1	7.5	7.5	7.5	7.5	1.5	2	Mature	Fair	Fair	-	20+	C1	Minor crown dieback and storm damage	7.5

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
764	T	Oak	13	425	1	4.5	4.5	4.5	4.5	2	3.5	Mature	Fair	Fair	-	20+	C1	Evidence of historic storm damage; Some decaying branch stubs and general branch tears	5.1
765	T	Oak	14	725	1	7.5	7.5	7.5	7.5	2.5	3	Mature	Fair	Fair	-	40+	B1	Some decaying branch stubs and general branch tears; Retrenching crown	8.7
766	T	Sycamore	11	400	1	4	4	4	4	2.5	1.5	Mature	Fair	Fair	-	20+	C1	No apparent significant defects	4.8
767	T	Oak	6.5	650	1	4.5	4.5	4.5	4.5	3.5	2.5	Mature	Fair	Poor	-	10+	C1	Evidence of historic storm damage; Leaning stem; Some decaying branch stubs and general branch tears; Split to stem	7.8
768	T	Oak	9	625	1	7	7	7	7	2.5	1.5	Mature	Fair	Fair	-	40+	B1	Evidence of historic storm damage; Dense ivy to stem; Some decaying branch stubs and general branch tears	7.5
769	T	Oak	16	975	1	8	8	8	8	3	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	12
770	T	Oak	9.5	675	1	8.5	8.5	8.5	8.5	3.5	2.5	Mature	Fair	Fair	-	40+	B1	Minor stem decay	8.1
771	T	Oak	15	900	1	7	7	7	7	3.5	3.5	Mature	Fair	Fair	-	40+	B2	No apparent significant defects	11

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
772	T	Ash	16	950	1	8	8	8	8	3	3	Mature	Fair	Fair	-	20+	B1	Root damage evident; Minor deadwood in crown	11
773	T	Ash	15	650	1	6	6	6	6	3	5	Mature	Fair	Poor	-	10+	C1	Dense ivy to stem; Canopy pruned to clear overhead wires; Decay fungi at stem base	7.8
774	T	Sycamore	11	625	1	5	5	5	5	0.5	1.5	Mature	Good	Fair	-	20+	B1	Major stem division at 2m; Crossing/rubbing branches within crown; Tag on fence post	7.5
775	T	Oak	13	550	1	5	5	5	5	3	3	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; Minor deadwood in crown	6.6
776	T	Oak	8.5	450	1	4.5	4.5	4.5	4.5	3	3	Mature	Fair	Fair	-	20+	B1	No apparent significant defects	5.4
777	T	Oak	10	600	1	6	6	6	6	2.5	2	Mature	Good	Fair	-	40+	B1	No apparent significant defects	7.2
778	T	Oak	8.5	450	1	5	5	5	5	3.5	2.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects	5.4
779	T	Sycamore	8	450	1	4.5	4.5	4.5	4.5	3	2	Mature	Poor	Fair	-	10+	C1	Major crown dieback	5.4
780	T	Oak	9.5	500	1	5.5	5.5	5.5	5.5	2	1.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects; Dense ivy to stem	6
781	T	Oak	10	625	1	6	6	6	6	3	2	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	7.5

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
782	T	Sycamore	15	1180	4	7	7	7	7	2.5	1.5	Mature	Fair	Fair	-	20+	B1	Major stem division at ground level; Major stem division at 1m; Minor deadwood in crown	14
783	T	Oak	8	750	1	5.5	5.5	5.5	5.5	3.5	3	Mature	Fair	Fair	-	40+	B1	Pruning wounds to stem	9
784	T	Beech	15	450	1	4	4	4	4	4	3.5	Mature	Poor	Fair	-	<10	U	Declining tree	5.4
785	T	Ash	12	480	2	5	5	5	5	2	3	Mature	Fair	Fair	-	20+	C1	Outgrown hedge tree	5.8
786	T	Ash	7.5	300	1	3.5	3.5	3.5	3.5	2.5	3.5	Mature	Fair	Fair	-	20+	C1	Outgrown hedge tree	3.6
787	T	Ash	12	325	1	4.5	4.5	4.5	4.5	2	2	Mature	Fair	Fair	-	20+	C1	No apparent significant defects	3.9
788	T	Oak	7.5	600	1	5	5	5	5	2	3	Mature	Fair	Fair	-	20+	C1	Some decaying branch stubs and general branch tears	7.2
789	T	Oak	14	625	1	6	6	6	6	3.5	3	Mature	Fair	Fair	-	40+	B1	No apparent significant defects	7.5
790	T	Ash	16	675	1	6.5	6.5	6.5	6.5	4.5	4.5	Mature	Fair	Fair	-	20+	B1	Dense ivy to stem; Decaying branch(es) within crown	8.1
791	T	Oak	16	1250	1	9	9	9	9	3	3	Mature	Good	Fair	-	40+	A1	Pruning wounds to stem	15
792	T	Oak	9	650	1	6.5	6.5	6.5	6.5	2	3.5	Mature	Good	Fair	-	40+	B1	No apparent significant defects; Leaning stem	7.8

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
793	T	Oak	9.5	625	1	6.5	6.5	6.5	6.5	2	1	Mature	Fair	Fair	-	40+	B1	Major stem division at 2.5m	7.5
794	T	Sycamore	8	300	1	3.5	3.5	3.5	3.5	2.5	2	Semi-Mature	Good	Poor	-	20+	C1	A small tree of limited landscape value	3.6
795	T	Sycamore	13	600	1	5.5	5.5	5.5	5.5	2.5	2.5	Mature	Good	Fair	-	20+	B1	Occluded and partially occluded pruning wounds to stem	7.2
796	T	Ash	15	1200	1	8	8	8	8	1.5	3.5	Mature	Fair	Fair	-	20+	B1	Some decaying branch stubs and general branch tears	14
797	T	Sycamore	7	175	1	3	3	3	3	2	1.5	Semi-Mature	Good	Fair	-	20+	C1	A small tree of limited landscape value	2.1
798	T	Sycamore	7.5	350	2	3.5	3.5	3.5	3.5	2.5	2	Semi-Mature	Fair	Fair	-	10+	C1	Squirrel damage	4.2
799	T	Sycamore	7.5	610	4	4.5	4.5	4.5	4.5	2.5	2	Mature	Good	Fair	-	20+	C1	Major stem division at ground level	7.3
800	T	Ash	16	600	1	4.5	4.5	4.5	4.5	1.5	3.5	Mature	Fair	Poor	-	10+	C1	Internal decay in lower stem	7.2
1	G	Ash; Cherry; Hawthorn; Sycamore	8	300	-	3.5	3.5	3.5	3.5	4	2.5	Mature	Fair	Fair	-	20+	B2	Mixed group of self-set trees; No evidence of historic management; Limited ground flora	3.6
2	G	Oak	7	200	-	3	3	3	3	3	1.5	Mature	Fair	Fair	-	20+	C2	Small stunted trees, Self-set; Possible remnants of original hedge	2.4

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
3	G	Goat Willow; Oak	6	150	-	2.5	2.5	2.5	2.5	1.5	1.5	Mature	Fair	Fair	-	20+	C2	Small, scrubby trees growing on top of old stone wall; Have been sided with a flail mower	1.8
4	G	Goat Willow; Oak	10	380	-	6	6	6	6	3	3.5	Mature	Fair	Fair	-	40+	B2	Group of 4 Oak trees and 1 Goat Willow; Goat Willow is multi-stemmed and exhibits internal decay; Some pruning wounds to Oaks	4.6
5	G	Goat Willow; Holly; Oak	8	150-300	-	5.5	5.5	5.5	5.5	0.5	0.5	Mature	Fair	Fair	-	10+	C2	Growing on top of old stone wall; Variable quality; Some of the Willow have been coppiced	3.6
6	G	Oak	8.5	450	-	6	6	6	6	2.5	2	Mature	Poor	Fair	-	10+	C2	Group of 3 declining Oaks	5.4
8	G	Goat Willow; Hawthorn; Oak	10	450	-	5.5	5.5	5.5	5.5	4	3	Mature	Fair	Fair	-	40+	B2	Group of randomly spaced trees; Variable condition; Growing on top of stone wall	5.4
9	G	Oak	8.5	400	-	5	5	5	5	4	3.5	Mature	Fair	Fair	-	40+	B2	Group of 2 trees; Minor pruning wounds apparent	4.8

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12	G	Oak	10	600	-	6	6	6	6	3.5	3.5	Mature	Fair	Fair	-	40+	B2	Group of 5 trees; Some minor pruning wounds and superficial decay	7.2
15	G	Alder; Ash; Hawthorn; Hazel; Holly; Oak	11	150-700	-	5	5	5	5	3	2.5	Mature	Fair	Fair	-	40+	B2	Group of mixed species, Variable quality; Either side of shallow stream	8.4
17	G	Sycamore	17	800	-	7	7	7	7	3	4	Mature	Fair	Fair	-	20+	B2	Average form; Multiple historic pruning wounds; Evidence of internal decay	9.6
18	G	Cherry	9.5	300	-	5	5	5	5	0.5	1	Mature	Fair	Poor	-	10+	C2	Multiple basal wounds	3.6
19	G	Ash; Hawthorn; Oak; Sycamore	16	700	-	8	8	8	8	3	3.5	Mature	Fair	Fair	-	20+	B2	Group of scattered trees, Variable condition	8.4
22	G	Ash; Goat Willow; Hawthorn; Holly; Oak	6	600	-	2.5	2.5	2.5	2.5	0.5	0.5	Mature	Fair	Fair	-	20+	C2	Mixed group; Variable condition	7.2
24	G	Oak	8.5	500	-	6	6	6	6	2.5	2	Mature	Fair	Fair	-	40+	B2	No apparent significant defects	6
25	G	Oak; Sycamore	14	800	-	7	7	7	7	3	3	Mature	Fair	Fair	-	40+	B2	Group of scattered trees	9.6
26	G	Oak; Sycamore	14	700	-	5.5	5.5	5.5	5.5	2	2.5	Mature	Fair	Fair	-	40+	B2	Scattered trees along hedgerow	8.4

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27	G	Cherry; Goat Willow; Holly; Oak	7	100-300	-	3.5	3.5	3.5	3.5	2.5	2	Mature	Fair	Fair	-	20+	C2	Group of scrubby trees; ; No evidence of historic management; Group includes trees of varying individual quality and condition	3.6
29	G	Oak	6.5	350	-	3.5	3.5	3.5	3.5	3	1.5	Semi-Mature	Fair	Fair	-	40+	C2	Group of scattered trees within hedgerow	4.2
30	G	Ash; Cherry; Goat Willow; Hawthorn; Oak	9	75-300	-	3.5	3.5	3.5	3.5	4	1	Mature	Fair	Fair	-	40+	B2	Group of mixed trees forming a boundary to a farm track; Regeneration occurring within group; ; Group includes trees of varying individual quality and condition	3.6
31	G	Oak	9	300-600	-	5.5	5.5	5.5	5.5	3.5	2	Mature	Fair	Fair	-	40+	B2	Group present within hedgeline; Maintained mixed species hedge at base; Group includes trees of varying individual quality and condition	7.2
36	G	Ash; Oak; Sycamore	9	300-600	-	4.5	4.5	4.5	4.5	3	2.5	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	7.2

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37	G	Ash; Goat Willow; Oak; Sycamore	8	100-300	-	3.5	3.5	3.5	3.5	3	1.5	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	3.6
38	G	Ash; Goat Willow	13	100-600	-	5	5	5	5	0.5	1.5	Mature	Fair	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	7.2
39	G	Hawthorn; Oak; Sycamore	10	500	-	4.5	4.5	4.5	4.5	2.5	3	Mature	Fair	Fair	-	20+	B2	No apparent significant defects; Group includes trees of varying individual quality and condition	6
40	G	Alder; Ash	10	200-250	-	3	3	3	3	2	1.5	Mature	Fair	Fair	-	10+	C2	Group of self-set trees	3
42	G	Beech; Goat Willow; Oak	13	150-500	-	4	4	4	4	1.5	2	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	6
43	G	Ash; Oak	12	750	-	6.5	6.5	6.5	6.5	2	2.5	Mature	Fair	Fair	-	40+	B2	Group of spaced trees; Some minor decay evident	9
46	G	Hawthorn; Oak	10	200-650	-	4.5	4.5	4.5	4.5	2.5	3	Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	12
48	G	Oak; Sycamore	14	300-700	-	5.5	5.5	5.5	5.5	3	4	Mature	Poor	Fair	-	40+	B2	Group consists of well spaced trees	8.4
50	G	Ash; Sycamore	11	450-700	-	5	5	5	5	2.5	3	Mature	Fair	Fair	-	20+	C2	Scattered individuals	8.4

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
51	G	Hawthorn; Oak	9	300-600	-	4.5	4.5	4.5	4.5	2.5	3	Mature	Fair	Fair	-	40+	C2	Group includes trees of varying individual quality and condition	7.2
53	G	Ash; Hawthorn; Oak; Sycamore	5.5	75-300	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	3.6
54	G	Ash; Goat Willow; Hawthorn; Blackthorn	6	75-150	-	3.5	3.5	3.5	3.5	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	1.8
57	G	Ash	14	400-650	-	5.5	5.5	5.5	5.5	2	2.5	Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	7.8
60	G	Alder; Goat Willow; Hawthorn; Oak	11	75-600	-	5	5	5	5	1	0.5	Mature	Fair	Fair	-	20+	C2	Group of generally low quality individuals; Some natural regeneration; Limited landscape value	7.2
61	G	Alder; Oak	8.5	300-500	-	5	5	5	5	2.5	3	Mature	Fair	Fair	-	10+	C2	A group of well spaced trees; Trees are of little individual merit	6
62	G	Oak	10	600	-	6	6	6	6	3	3.5	Mature	Fair	Fair	-	40+	B2	Group of four trees; ; Group includes trees of varying individual quality and condition	7.2

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
67	G	Goat Willow; Oak	6.5	400	-	3.5	3.5	3.5	3.5	3	1.5	Semi-Mature	Good	Fair	-	20+	C2	Group of 3 trees; ; Group includes trees of varying individual quality and condition	4.8
69	G	Ash; Beech; Oak; Sycamore	14	300-700	-	5	5	5	5	3.5	3.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	8.4
70	G	Ash	9	125	-	2.5	2.5	2.5	2.5	1.5	1	Semi-Mature	Good	Fair	-	40+	C2	Group of small self-set trees	1.5
71	G	Ash	13	300-500	-	4.5	4.5	4.5	4.5	2.5	3.5	Mature	Fair	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	6
72	G	Alder; Goat Willow; Hawthorn; Oak	9.5	150-600	-	4	4	4	4	0.5	0.5	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	7.2
73	G	Alder; Oak	11	400-800	-	4	4	4	4	0.5	0.5	Mature	Fair	Poor	-	10+	C2	Major stem wounds; Group includes trees of varying individual quality and condition	1.2
75	G	Oak; Sycamore	14	500-800	-	6.5	6.5	6.5	6.5	2	2.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	9.6
76	G	Ash; Hawthorn	12	150-600	-	5	5	5	5	3	3.5	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	7.2

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
78	G	Alder; Goat Willow	10	75-500	-	3	3	3	3	4	2	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition; No evidence of historic management; Some natural regeneration	6
79	G	Ash; Hawthorn; Oak	13	75-800	-	5	5	5	5	3	4.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	9.6
80	G	Beech; Hawthorn; Holly; Oak	11	75-700	-	4.5	4.5	4.5	4.5	2.5	3.5	Over Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	8.4
87	G	Sycamore	16	600-900	-	7.5	7.5	7.5	7.5	2.5	2.5	Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition; Shared canopy	11
92	G	Oak	15	300-500	-	5	5	5	5	0.5	3.5	Mature	Fair	Fair	-	40+	C2	Group of 3 Oak; Shared canopies; Possibly within private garden	6
93	G	Alder; Goat Willow; Hazel	14	75-300	-	-	-	-	-	-	-	Semi-Mature	-	-	-	10+	C2	Group of scrubby natural regeneration beneath overhead power lines	3.6

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
94	G	Oak; Sycamore	14	300-600	-	5	5	5	5	3.5	3.5	Mature	Good	Fair	-	20+	B2	Group includes trees of varying individual quality and condition; Within private garden	7.2
95	G	Sycamore	16	400-1000	-	6	6	6	6	4	4	Mature	Fair	Fair	-	40+	B2	Dense ivy to stem	12
96	G	Ash; Hawthorn; Oak; Sycamore	13	75-600	-	6	6	6	6	2.5	3	Mature	Fair	Fair	-	20+	C2	Some scrubby trees interspersed with better quality specimens	7.2
97	G	Ash; Sycamore	13	600	-	6.5	6.5	6.5	6.5	2	2.5	Mature	Fair	Fair	-	20+	B2	Group of 3 trees	7.2
98	G	Ash; Oak; Sycamore	13	625	-	5.5	5.5	5.5	5.5	2.5	2.5	Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	7.5
99	G	Ash; Oak; Sycamore	17	400-800	-	5.5	5.5	5.5	5.5	2.5	2.5	Mature	Fair	Poor	-	10+	C2	Group includes trees of varying individual quality and condition	9.6
100	G	Hawthorn	5.5	325	-	2.5	2.5	2.5	2.5	1.5	1	Mature	Fair	Poor	-	10+	C2	Major decay and stem dysfunction	3.9
101	G	Sycamore	16	300-650	-	6.5	6.5	6.5	6.5	2.5	2.5	Mature	Fair	Fair	-	10+	C2	Dense ivy to stem; Stem decay	7.8
102	G	Sycamore	16	400-650	-	6.5	6.5	6.5	6.5	3.5	2.5	Mature	Fair	Fair	-	20+	B2	Ivy to stem; Limited inspection; Possible minor internal decay	7.8

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
103	G	Oak; Sycamore	16	600	-	5.5	5.5	5.5	5.5	3.5	3	Mature	Fair	Fair	-	20+	B2	Limited access for inspection; No apparent significant defects	7.2
104	G	Alder; Oak; Sycamore	13	75-350	-	3.5	3.5	3.5	3.5	-	-	Semi-Mature	Fair	Fair	-	20+	C2	Self-set scrubby trees; No safe access; Limited inspection	4.2
105	G	Ash; Cherry; Oak; Sycamore	8	75-300	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	10+	C2	Scrubby self-set trees	3.6
106	G	Apple; Ash; Goat Willow; Hawthorn	9.5	75-600	-	3.5	3.5	3.5	3.5	1.5	1.5	Mature	Fair	Poor	-	10+	C2	Group includes trees of varying individual quality and condition	7.2
108	G	Ash; Cherry; Goat Willow; Hawthorn; Oak	9	150-600	-	3	3	3	3	3	0.5	Mature	Fair	Fair	-	20+	C2	Remnants of an outgrown hedge interspersed with mature Oak and Sycamore in varying condition	7.2
109	G	Sycamore	9.5	150-300	-	3.5	3.5	3.5	3.5	4	3	Semi-Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	3.6
112	G	Ash; Goat Willow; Hawthorn; Sycamore	8	75-150	-	3	3	3	3	0.5	0.5	Semi-Mature	Good	Fair	-	10+	C2	Self-set trees	1.8

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
114	G	Ash; Goat Willow; Hawthorn; Sycamore	9.5	75-300	-	3.5	3.5	3.5	3.5	1.5	1.5	Semi-Mature	Good	Fair	-	20+	C2	Self-set trees of varying quality	3.6
115	G	Ash; Goat Willow; Hawthorn; Sycamore	9.5	75-300	-	3.5	3.5	3.5	3.5	1.5	1.5	Semi-Mature	Good	Fair	-	20+	C2	Self-set trees of varying quality	3.6
117	G	Ash; Hawthorn; Oak	10	300-650	-	5.5	5.5	5.5	5.5	2.5	2.5	Mature	Fair	Fair	-	20+	B2	No apparent significant defects	7.8
118	G	Hawthorn; Sycamore	8	75-300	-	2.5	-	-	-	0.5	1	Semi-Mature	Fair	Fair	-	10+	C2	Group of scrubby trees	3.6
119	G	Ash; Oak; Sycamore	8	75-250	-	3.5	3.5	3.5	3.5	2.5	1	Semi-Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition; Self-set trees	3
121	G	Ash	8.5	275	-	4.5	4.5	4.5	4.5	2	1.5	Semi-Mature	Fair	Poor	-	10+	C2	Major stem division at ground level	3.3
125	G	Oak	10	300-700	-	6	6	6	6	3	2.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	8.4
126	G	Birch; Oak; Poplar	11	200	-	3	3	3	3	2	1.5	Semi-Mature	Good	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	2.4

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
127	G	Oak	9.5	350	-	4.5	4.5	4.5	4.5	3.5	2.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition; No access to group	4.2
136	G	Oak	5.5	250	-	3	3	3	3	1.5	1.5	Semi-Mature	Fair	Fair	-	20+	C2	Small, scrubby trees with little future value	3
137	G	Goat Willow; Oak	7	150-300	-	4	4	4	4	0.5	0.5	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	3.6
139	G	Alder; Ash; Goat Willow	12	300-700	-	5	5	5	5	1	0.5	Mature	Fair	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	8.4
140	G	Alder	6.5	300	-	4	4	4	4	2	1	Mature	Fair	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	3.6
141	G	Spruce	10	300	-	2.5	2.5	2.5	2.5	0.5	1	Semi-Mature	Fair	Fair	-	20+	C2	No apparent significant defects	3.6
142	G	Birch; Cherry	6.5	150	-	2.5	2.5	2.5	2.5	2	1.5	Semi-Mature	Good	Fair	-	10+	C2	Group includes trees of varying individual quality and condition; Limited landscape value	1.8
143	G	Alder; Goat Willow; Oak	6.5	150-300	-	3.5	3.5	3.5	3.5	0.5	0.5	Semi-Mature	Good	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	3.6

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
146	G	Alder; Birch	7	50-100	-	1.5	1.5	1.5	1.5	0.5	0.5	Semi-Mature	Good	Good	-	40+	A1	Young trees; Form a shelter belt for adjacent commercial nursery stock; Category reflects importance in protecting rare nursery trees	1.2
148	G	Beech; Birch; Cherry; Oak; Sorbus	10	200	-	2.5	2.5	2.5	2.5	2	2	Semi-Mature	Good	Good	-	40+	B1	Trees provide a windbreak for the nursery	2.4
149	G	Oak	11	1100	-	7.5	7.5	7.5	7.5	3.5	3	Mature	Fair	Fair	-	40+	B2	Typical form and condition for age and species	13
150	G	Alder; Ash; Beech; Birch; Hazel; Sycamore	10	75-150	-	2.5	2.5	2.5	2.5	0.5	0.5	Semi-Mature	Good	Good	-	20+	B2	Group acts as windbreak for adjacent nursery crop	1.8
155	G	Sycamore	11	400	-	3.5	3.5	3.5	3.5	2	2	Semi-Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	4.8
156	G	Ash; Birch; Cherry; Hawthorn; Holly	10	75-250	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	3

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157	G	Ash; Birch; Cherry; Hawthorn; Holly	10	75-250	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	3
159	G	Sycamore	15	250-500	-	7.5	7.5	7.5	7.5	1	2.5	Mature	Good	Fair	-	20+	C2	Group of 4 trees; Shared root system; Group includes trees of varying individual quality and condition	6
160	G	Sycamore	14	250-500	-	6	6	6	6	3	3.5	Mature	Good	Fair	-	20+	C2	Group of 2 trees; Multiple stems; Weak union between stems	6
161	G	Ash; Birch; Oak	11	75-150	-	3.5	3.5	3.5	3.5	0.5	0.5	Semi-Mature	Good	Fair	-	20+	C2	Established highway planting; Some future potential if properly managed	1.8
162	G	Ash; Birch; Sycamore; Willow	9.5	75-300	-	4	4	4	4	0.5	0.5	Mature	Fair	Fair	-	20+	C2	Self-set growth adjacent to highways verge with more mature trees along internal edge	3.6
163	G	Monterey Cypress; London Plane; Ash; Cherry	14	150-400	-	5.5	5.5	5.5	5.5	0.5	1	Semi-Mature	Fair	Fair	-	20+	C2	Group includes mature Cypress and Plane and young, low quality Cherry and Ash	4.8

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164	G	Ash; Goat Willow; Hawthorn; Sycamore	8.5	150-500	-	4.5	4.5	4.5	4.5	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	C2	Some low level screening value; Group includes trees of varying individual quality and condition	6
165A	G	Ash; Hazel; Sycamore	10	175	-	3.5	3.5	3.5	3.5	2.5	3	Semi-Mature	Fair	Fair	-	20+	C2	Group of slightly spaced trees on property side of cycleway	2.1
165	G	Ash; Lime	16	200-600	-	5	5	5	5	3	3	Mature	Fair	Fair	-	20+	C2	Group of 5 trees; Root damage evident; Stem abrasions	7.2
166	G	Ash; Beech; Oak	18	300-1200	-	5.5	5.5	5.5	5.5	1.5	3	Mature	Fair	Fair	-	20+	B2	Group of woodland edge trees	15
167	G	Beech	9.5	350	-	5.5	5.5	5.5	5.5	4.5	4	Mature	Fair	Fair	-	20+	C2	Group of 2 trees; Within private property; No access; All dimensions estimated	4.2
168	G	Oak; Sycamore	11	600	-	6	6	6	6	1.5	2	Mature	Fair	Fair	-	20+	B2	Group of 2 trees; Sycamore is multi-stemmed	7.2
169	G	Ash; Goat Willow; Oak	6.5	200-600	-	4	4	4	4	1	1	Mature	Fair	Fair	-	20+	C2	Group of variable quality trees	7.2
172	G	Ash; Oak	8.5	325	-	4	4	4	4	1	2	Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	3.9

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173	G	Hawthorn; Oak	6	275	-	3	3	3	3	3	2.5	Semi-Mature	Fair	Fair	-	20+	C2	Group of 3 trees; Small trees of limited landscape value	3.3
174	G	Oak	12	475	-	5	5	5	5	3	4.5	Mature	Fair	Fair	-	20+	C2	Group of track edge trees	5.7
175	G	Oak	10	600	-	5.5	5.5	5.5	5.5	3.5	3.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	7.2
176	G	Ash; Goat Willow; Oak	8	75-250	-	3.5	3.5	3.5	3.5	0.5	1	Semi-Mature	Fair	Fair	-	20+	C2	Small self-set scrubby trees; Group includes trees of varying individual quality and condition	3
177	G	Ash; Oak; Sycamore	13	475	-	4.5	4.5	4.5	4.5	1.5	2.5	Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	5.7
180	G	Goat Willow; Oak	8	275	-	4.5	4.5	4.5	4.5	0	0.5	Semi-Mature	Fair	Fair	-	20+	C2	Group of scrubby trees adjacent to cycleway and on top of stone retaining wall	3.3
181	G	Cherry; Goat Willow; Oak; Sycamore	8	150-400	-	3.5	3.5	3.5	3.5	1.5	0.5	Semi-Mature	Fair	Fair	-	10+	C2	Scrubby self-set trees; Group includes trees of varying individual quality and condition	4.8

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184	G	Monterey Cypress; Fir	8	275	-	3	3	3	3	2	2	Semi-Mature	Fair	Fair	-	20+	C2	No apparent significant defects	3.3
185	G	Ash	14	750	-	6.5	6.5	6.5	6.5	3	2	Mature	Fair	Fair	-	10+	C2	Evidence of historic storm damage; Some decaying branch stubs and general branch tears; Innonotus decay fungus present	9
187	G	Oak	10	300-600	-	6	6	6	6	3.5	3.5	Mature	Fair	Fair	-	40+	B2	Group includes trees of varying individual quality and condition	7.2
188	G	Birch; Oak; Pine	9	275	-	3	3	3	3	1	1	Semi-Mature	Fair	Fair	-	20+	C2	Spaced group of 4 ornamental trees in front garden	3.3
191	G	Bay; Hornbeam; Lime	11	350	-	5	5	5	5	3	2	Mature	Fair	-	-	20+	C2	Group includes trees of varying individual quality and condition	4.2
192	G	Ash	10	250	-	3.5	3.5	3.5	3.5	2.5	2	Mature	Fair	Fair	-	20+	C2	Small trees of limited landscape value	3
193	G	Ash	9.5	600	-	5.5	5.5	5.5	5.5	0.5	1.5	Over Mature	Fair	Poor	-	10+	B3	Group of 2 Ash; Group includes trees of varying individual quality and condition; Large area of stem decay in one specimen	7.2
194	G	Goat Willow	8.5	225	-	3.5	3.5	3.5	3.5	1	0.5	Mature	Good	Fair	-	10+	C2	Small trees of limited landscape value	2.7

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195	G	Ash; Birch; Cherry; Larch; Pine	17	250-600	-	6	6	6	6	1	1	Mature	Fair	Fair	-	20+	B2	Mixture of ornamental planting and self-set trees	7.2
196	G	Birch; Goat Willow; Oak	7.5	200	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	C2	Outgrown hedgerow	2.4
197	G	Ash; Cherry; Oak	14	400	-	4.5	4.5	4.5	4.5	2	1.5	Mature	Fair	Fair	-	20+	C2	Self-set hedgerow trees	4.8
198	G	Ash; Cherry; Hawthorn	14	75-600	-	6	6	6	6	2	2.5	Mature	Fair	Fair	-	20+	B2	Scattered group around old stock pen; Remnants of old hedge	7.2
200	G	Goat Willow; Hazel; Oak	15	150-600	-	6.5	6.5	6.5	6.5	0.5	1.5	Mature	Fair	Fair	-	20+	C2	Spaced individual trees connected with self-set Hazel & Willow	7.2
201	G	Sycamore	11	500-800	-	4.5	4.5	4.5	4.5	3.5	2.5	Mature	Good	Fair	-	40+	C2	Group of 2 trees; No apparent significant defects	9.6
202	G	Ash; Goat Willow; Oak; Sycamore	11	75-300	-	3.5	3.5	3.5	3.5	1.5	1.5	Semi-Mature	Fair	Fair	-	20+	C2	Group includes trees of varying individual quality and condition	3.6
203	G	Ash; Goat Willow; Oak	14	150-500	-	4.5	4.5	4.5	4.5	0.5	0.5	Mature	Fair	Fair	-	20+	C2	Outgrown hedge with several larger maiden trees	6

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
204	G	Ash; Goat Willow; Hawthorn; Oak; Sycamore	15	150-500	-	4.5	4.5	4.5	4.5	0.5	1	Mature	Fair	Fair	-	20+	C2	Outgrown hedge along boundary of garden	6
205	G	Oak	8.5	325	-	4.5	4.5	4.5	4.5	2	3.5	Mature	Fair	Fair	-	20+	C2	Group of 2 trees; Western tree in decline	3.9
206	G	Ash; Oak	16	500	-	6	6	6	6	1	3	Over Mature	Fair	Fair	-	40+	B2	Outgrown hedge with maiden trees	6
207	G	Elder; Hawthorn; Sycamore	6.5	75-250	-	2.5	2.5	2.5	2.5	0	1.5	Semi-Mature	Fair	Fair	-	20+	C2	Outgrown hedge on top of low wall	3
208	G	Beech; Sycamore	15	500-700	-	8	8	8	8	2	4	Mature	Good	Fair	-	40+	B2	Ornamental trees either side of driveway	8.4
209	G	Ash; Sycamore	16	300-600	-	6	6	6	6	0.5	1	Mature	Fair	Fair	-	20+	B2	Group includes trees of varying individual quality and condition	7.2
210	G	Ash; Goat Willow; Hazel	7.5	225	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	10+	C2	Some low level screening value	2.7
211	G	Beech; Birch; Oak	15	500-650	-	5.5	5.5	5.5	5.5	0.5	2.5	Mature	Fair	Fair	-	40+	B2	Group of mature trees on river bank	7.8

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
212	G	Ash; Goat Willow; Hawthorn; Oak; Sycamore	12	150-600	-	4.5	4.5	4.5	4.5	0.5	1	Mature	Fair	Fair	-	20+	B2	Established trees along river bank	7.2
213	G	Ash; Sycamore	12	150-500	-	4.5	4.5	4.5	4.5	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	C2	Group of self-set trees along river bank; Group includes trees of varying individual quality and condition	6
214	G	Ash; Field Maple; Oak; Sycamore	13	250-500	-	5	5	5	5	2.5	3	Semi-Mature	Good	Fair	-	20+	C2	Some low level screening value	6
215	G	Ash; Cherry; Oak; Sycamore	16	300-650	-	4.5	4.5	4.5	4.5	4	3	Mature	Good	Fair	-	20+	C2	On slope adjacent to access road	7.8
216	G	Oak	14	450	-	6	6	6	6	3.5	2.5	Mature	Fair	Poor	-	40+	C2	Group of 2 trees; Dense ivy to stem; Dense ivy within crown	5.4
218	G	Ash; Oak	7	300	-	3.5	3.5	3.5	3.5	1.5	1.5	Semi-Mature	Fair	Fair	-	20+	C2	Group of 2 trees	3.6
219	G	Ash; Beech; Sycamore	8	75-300	-	3	3	3	3	0.5	0.5	Semi-Mature	Fair	Fair	-	20+	C2	Outgrown hedge	3.6
220	G	Cherry	8.5	200	-	4.5	4.5	4.5	4.5	3	2	Semi-Mature	Fair	Fair	-	20+	C2	Ornamental screen planting	2.4

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
221	G	Birch	10	225	-	3	3	3	3	1	1.5	Semi-Mature	Good	Fair	-	20+	C2	Ornamental planting	2.7
222	G	Ash; Hawthorn; Oak; Sycamore	11	200-500	-	4	4	4	4	1	1	Semi-Mature	Fair	Fair	-	20+	B2	Mixture of original roadside trees together with more recent planting; Screening value	6
223	G	Alder; Ash; Birch; Sycamore	9.5	150-300	-	3	3	3	3	1.5	2	Semi-Mature	Good	Fair	-	20+	C2	Ornamental gateway planting into industrial estate	3.6
224	G	Goat Willow; Oak; Poplar	7.5	100-300	-	2.5	2.5	2.5	2.5	1	1	Mature	Fair	Fair	-	10+	C2	Scrubby trees; Remnants of outgrown hedge	3.6
226	G	Ash; Goat Willow; Hawthorn; Oak	7	100-300	-	2.5	2.5	2.5	2.5	1	0.5	Mature	Fair	Poor	-	10+	C2	Remnants of old hedge; Scattered individual trees interspersed with scrub	3.6
227	G	Ash; Oak	14	550	-	5	5	5	5	1	2	Mature	Fair	Fair	-	20+	B2	Group of 2 trees; Dense ivy to stem	6.6
229	G	Ash; Goat Willow; Sycamore	12	150-350	-	5	5	5	5	1	0.5	Mature	Fair	Fair	-	10+	C2	Scrubby trees; Limited landscape value	4.2

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
231	G	Alder; Birch; Oak	9	125	-	2.5	2.5	2.5	2.5	2.5	2.5	Young	Good	Fair	-	20+	C2	Group of young native trees planted at close spacing; Bordered by remnants of hedge including mature Oaks (DBH 400 average)	1.5
232	G	Alder	8	300	-	3.5	3.5	3.5	3.5	2.5	2	Mature	Fair	Fair	-	10+	C2	Some minor crown dieback	3.6
233	G	Goat Willow; Sycamore	11	400	-	4.5	4.5	4.5	4.5	1.5	1	Mature	Good	Fair	-	20+	C2	Spaced group of 3 trees	4.8
235	G	Ash; Oak	11	275-500	-	5.5	5.5	5.5	5.5	1	1.5	Mature	Fair	Fair	-	20+	C2	Group of 2 trees	6
237	G	Ash; Oak	12	150-350	-	4.5	4.5	4.5	4.5	1.5	1.5	Semi-Mature	Good	Fair	-	20+	C2	Group of 3 trees; No apparent significant defects	4.2
238	G	Oak	16	400-800	-	6	6	6	6	2.5	3.5	Mature	Poor	Fair	-	10+	C2	Group of 4 declining trees	9.6
239	G	Ash; Goat Willow; Hawthorn; Oak; Blackthorn	6	150	-	4	4	4	4	0.5	0.5	Mature	Fair	Fair	-	20+	C2	Group of scrubby trees and bushes on each side of stream; Occasional established Oak	1.8
240	G	Ash; Oak	16	600-800	-	7	7	7	7	1	1.5	Mature	Fair	Fair	-	20+	B2	Group of trees on opposite side of stream; Average condition and form for species and age	9.6

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
241	G	Ash; Goat Willow; Hazel; Oak	7	150-500	-	4	4	4	4	0.5	1	Mature	Fair	Fair	-	10+	C2	Group includes trees of varying individual quality and condition	6
242	G	Ash; Birch; Goat Willow; Sycamore	16	75-800	1	6	6	6	6	1.5	1.5	Mature	Fair	Fair	-	40+	B2	Mixed group of self-set trees adjacent to stream	9.6
244	G	Ash; Cherry; Hazel; Oak	12	75-150	-	2.5	2.5	2.5	2.5	1	1	Semi-Mature	Fair	Fair	-	20+	C2	Highways planting on top of raised bank; Would benefit from thinning	1.8
246	G	Sycamore	18	800	-	7.5	7.5	7.5	7.5	2	2.5	Mature	Fair	Fair	-	20+	B2	Group of 5 trees; Group includes trees of varying individual quality and condition	9.6
250	G	Ash; Sycamore	14	400	1	4.5	4.5	4.5	4.5	0.5	1	Mature	Fair	Fair	-	20+	B2	Group of self-set trees adjacent to cycleway; Some low level screening value	4.8
10	W	Goat Willow; Hawthorn; Holly; Oak	12	400	-	-	-	-	-	-	-	Mature	Fair	Fair	-	20+	B2	Mixed woodland; No notable individuals; No evidence of historic management	4.8

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
16	W	Alder; Hawthorn; Hazel; Holly; Oak; Rowan; Sycamore	12	500	-	-	-	-	-	-	-	Mature	Fair	Fair	-	20+	B2	Open canopy; Ground flora is mainly grass; No natural regeneration	6
86	W	Ash; Hawthorn; Sycamore	14	75-650	-	-	-	-	-	-	-	Mature	Fair	Fair	-	20+	B2	Natural regeneration on steep sides of disused quarry	7.8
107	W	Ash; Beech; Oak; Sycamore	16	75-700	-	-	-	-	-	-	-	Mature	Good	Good	-	40+	B3	Mixed native woodland on steep bank to river; No evidence of historic management; Some natural regeneration and ground flora	8.4
154	W	Ash; Oak; Sycamore	15	100-700	-	-	-	-	-	-	-	Mature	Fair	Fair	-	40+	B2	Area of native woodland; Area beneath trees is well grazed with no natural ground flora; Crown are co-joined to form a continuous canopy	8.4
158	W	Larch; Oak; Spruce; Sycamore	17	300	-	-	-	-	-	-	-	Mature	Fair	Fair	-	20+	B2	Timber plantation with self-set native species; No notable ground flora	3.6

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DETAILED ARBORICULTURAL SURVEY**

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217	W	Ash; Birch; Cherry; Oak; Larch; Pine	8	75-450	-	-	-	-	-	-	-	Semi-Mature	Fair	Fair	-	20+	C2	Area of scrubby, mixed species woodland; Some older established trees at base of slope adjacent to the river with a combination of young planted and self-set trees at the top of the slope. No evidence of management and no identified conservation or cultural value	5.4
7	H	Hawthorn; Holly; Gorse	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Managed hedge	0.9
11	H	Gorse; Goat Willow	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Managed hedge	0.9
13	H	Hawthorn; Bramble; Gorse	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
14	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
20	H	Hawthorn; Gorse	2.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
21	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
23	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
28	H	Gorse; Hawthorn; Holly	2	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
32	H	Hawthorn; Hazel	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
33	H	Gorse; Hawthorn; Holly	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
34	H	Hawthorn; Hazel	2	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
35	H	Goat Willow; Hawthorn	2	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
41	H	Goat Willow; Hawthorn; Blackthorn	3.5	75	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	0.9
44	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
45	H	Hawthorn; Sycamore	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
47	H	Hawthorn	3	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
49	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
52	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
55	H	Goat Willow; Gorse; Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
56	H	Gorse; Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9

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58	H	Ash; Goat Willow; Hawthorn; Sycamore	2.5	75-400	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge; Includes some small outgrown trees	4.8
59	H	Hawthorn	2.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
63	H	Hawthorn; Gorse	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
65	H	Gorse	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
66	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
68	H	Hawthorn	1.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
74	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
77	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
81	H	Hawthorn	1	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
82	H	Hawthorn; Sycamore	3.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
83	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
84	H	Ash; Goat Willow; Hawthorn	2	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge; Includes some poor quality outgrown young trees by the road	0.9
85	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
88	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge; Either side of track	0.9
89	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
90	H	Hawthorn; Sycamore	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9

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91	H	Hawthorn; Holly; Sycamore	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
110	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
111	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
113	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
116	H	Gorse; Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
120	H	Gorse; Hawthorn	2	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge; Includes a few scrubby self-set trees	0.9
122	H	Ash; Goat Willow; Hawthorn; Blackthorn	7.5	75-150	-	3	3	3	3	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow; Includes some scrubby trees	1.8
123	H	Goat Willow; Hawthorn; Holly; Blackthorn	3.5	75-100	-	2	2	2	2	-	-	Mature	-	-	-	10+	C2	Maintained hedge; Irregular trimming	1.2
124	H	Lawson Cypress	5.5	250	-	1	1	1	1	-	-	Over Mature	-	-	-	<10	U	Hedge includes trees of varying individual quality and condition	3
128	H	Gorse; Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
129	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
130	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9

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TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
131	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
132	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
133	H	Gorse	1.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
134	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
135	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
138	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
144	H	Gorse; Hawthorn; Blackthorn	4	75	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	0.9
145	H	Gorse	2.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	0.9
147	H	Hawthorn	4	100	-	1	1	1	1	-	-	Mature	-	-	-	10+	B1	Maintained hedge; Provides shelter for adjacent nursery stock	1.2
151	H	Blackthorn	3.5	75	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	0.9
152	H	Hawthorn; Blackthorn	3.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	0.9
153	H	Hawthorn; Blackthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9
170	H	Goat Willow; Hawthorn; Hazel	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	20+	C2	Slightly gappy maintained hedgerow	0.9
171	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	20+	C2	Maintained hedgerow	0.9
178	H	Hawthorn; Blackthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9

**A487 Caernarfon and Bontnewydd Bypass
DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
179	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
182	H	Ash; Goat Willow; Blackthorn	3.5	100	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	1.2
183	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
186	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
189	H	Privet	2	100	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge around garden	1.2
190	H	Hawthorn; Gorse	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
199	H	Hawthorn	2.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
225	H	Goat Willow; Gorse; Blackthorn	2.5	75-150	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Srubby hedge	1.8
228	H	Hawthorn; Hazel; Leyland cypress	4	100	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	1.2
230	H	Hawthorn	1.5	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
234	H	Hazel	2.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Rough hedgerow	0.9
236	H	Blackthorn	3	75	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedgerow	0.9
243	H	Hawthorn	2	75	-	0.5	-	-	-	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
245	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9
247	H	Hawthorn	2	75	-	0.5	0.5	0.5	0.5	-	-	Mature	-	-	-	10+	C2	Maintained hedgerow	0.9

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DETAILED ARBORICULTURAL SURVEY**

TREE NO	TYPE	SPECIES	HEIGHT	DIAMETER (mm)	NO. OF STEMS	N	E	S	W	LCH	LBH	AGE CLASS	PHYSIOLOGICAL CONDITION	STRUCTURAL CONDITION	PRELIMINARY MANAGEMENT RECOMMENDATIONS	ESTIMATED REMAINING CONTRIBUTION	CATEGORY	NOTES	TPF OFFSET DISTANCES
248	H	Hawthorn; Lawson Cypress	4.5	125	-	1.5	1.5	1.5	1.5	-	-	Mature	-	-	-	10+	C2	Unmaintained hedge	1.5
249	H	Hawthorn	2.5	75	-	1	1	1	1	-	-	Mature	-	-	-	10+	C2	Maintained hedge	0.9

APPENDIX B

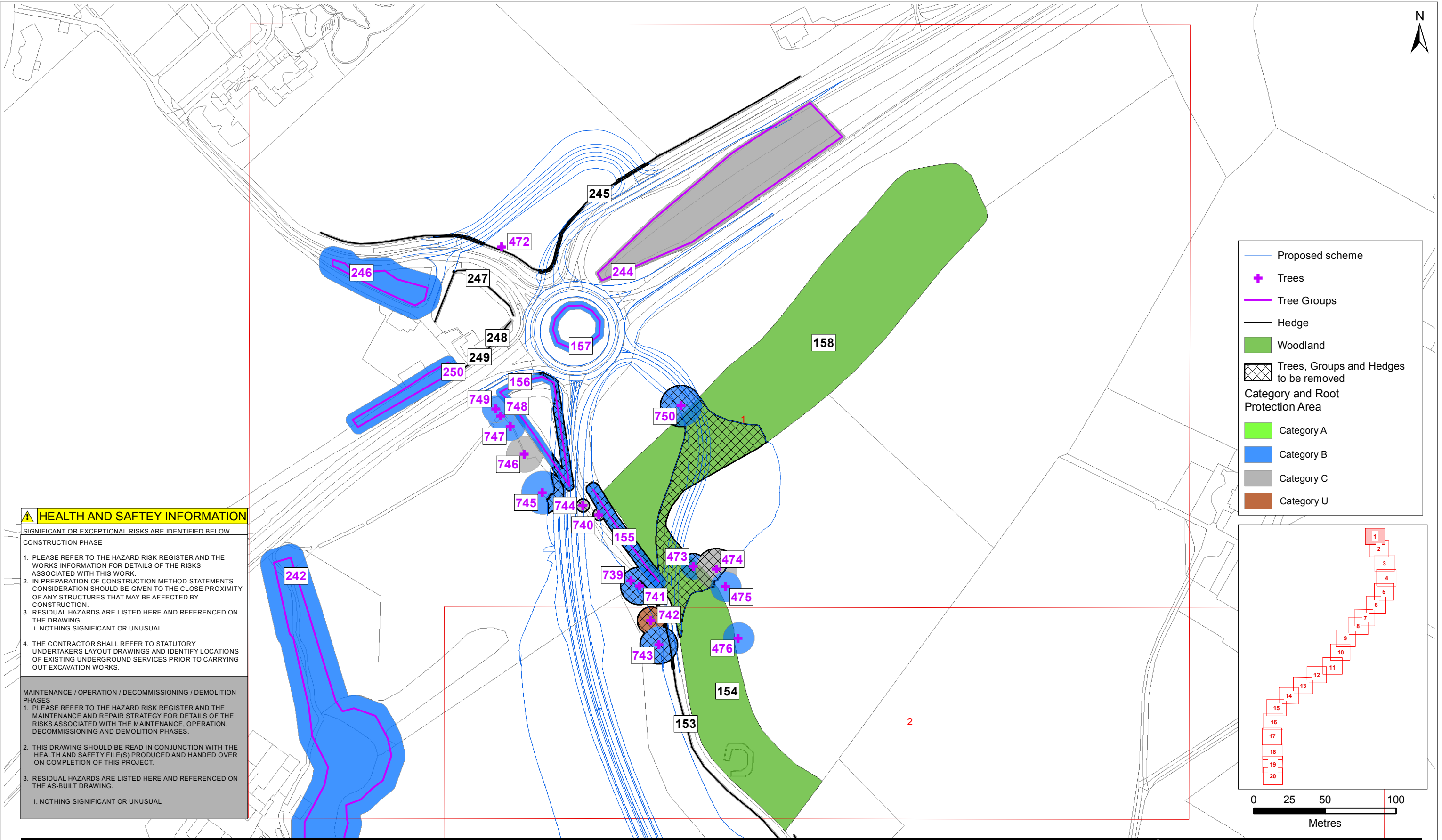
BS5837:2012 Table 1

SUMMARY OF BS 5837:2012 TABLE 1

Trees unsuitable for retention	
U	Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years Identified by dark red coloration on the tree constraints plan. These trees should not be a consideration in the planning process.
Trees to be considered for retention	
A	Trees of high quality with an estimated remaining life expectancy of at least 40 years. Identified by light green coloration on the tree survey plan.
B	Trees of moderate quality with an estimated remaining life expectancy of at least 20 years. Identified by mid blue coloration on the tree survey plan.
C	Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm. Identified by grey coloration on the tree survey plan. The following subcategories are applied. Trees may be allocated more than one subcategory, but this will not increase their overall value.
1: Mainly arboricultural values	
A1	Trees that are of particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principle trees within an avenue).
B1	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. the presence of significant though remediable defects including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention beyond 40 years; or trees lacking the special quality necessary to merit category A designation.
C1	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.
2: Mainly landscape values	
A2	Trees, groups, or woodlands of particular visual importance as arboricultural and/or landscape features.
B2	Trees present in numbers, usually as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality.
C2	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits.
3: Mainly cultural values, including conservation	
A3	Trees, groups or woods of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture).
B3	Trees with material conservation or other cultural value.
C3	Trees with no material conservation or other cultural value.

APPENDIX C

BS5837:2012 TREE CONSTRAINTS PLANS



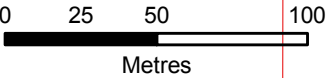
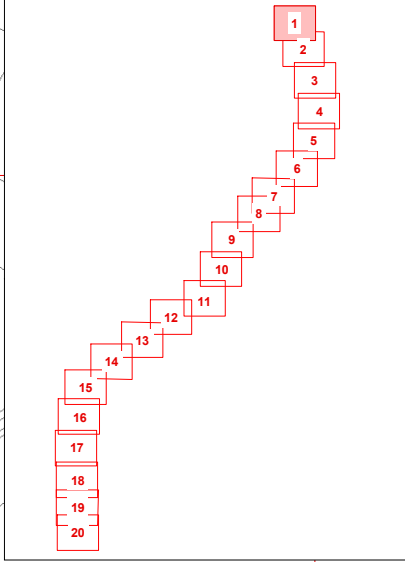
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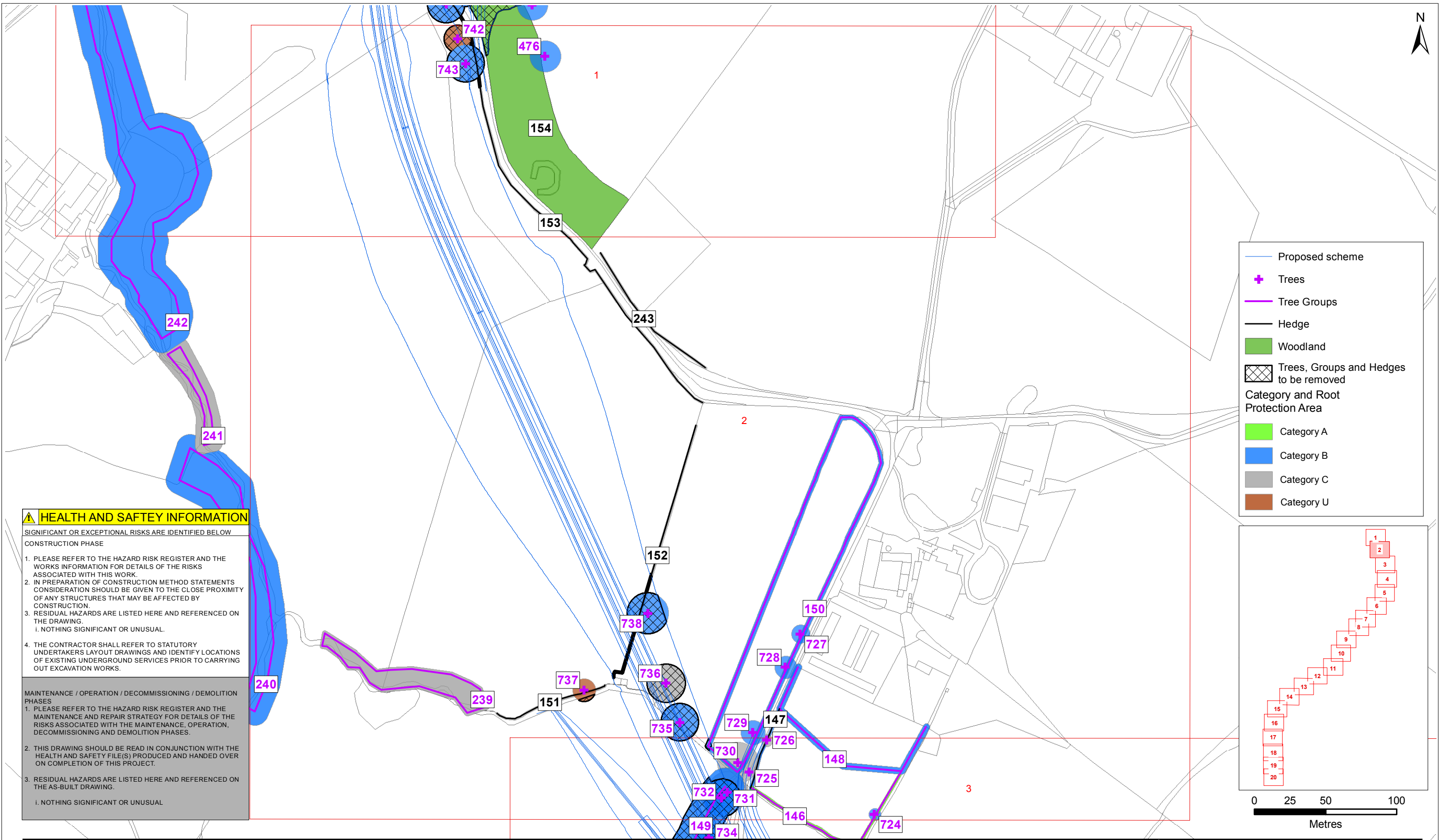
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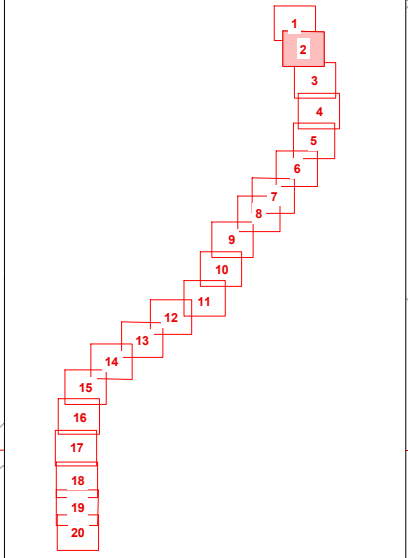
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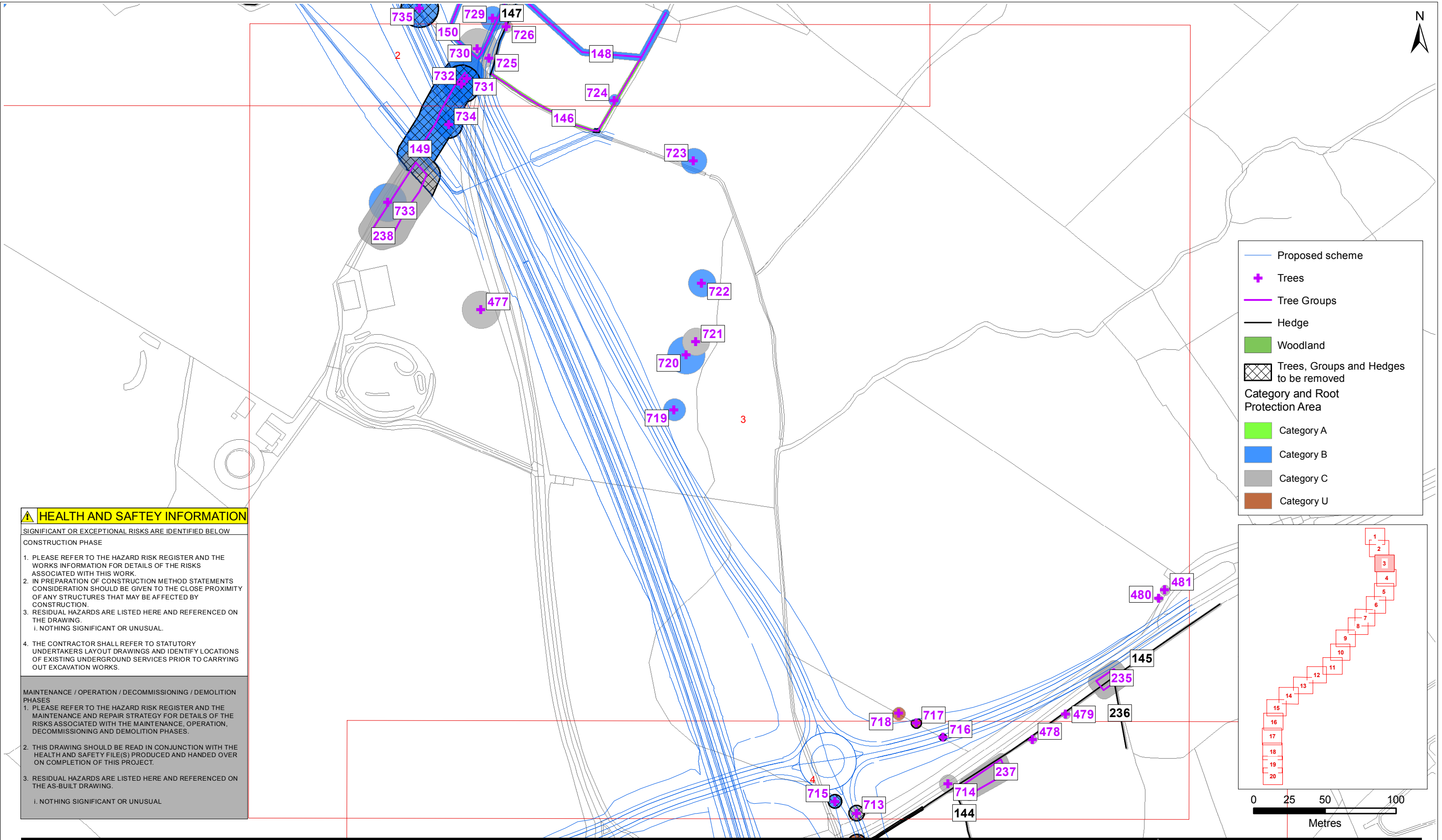
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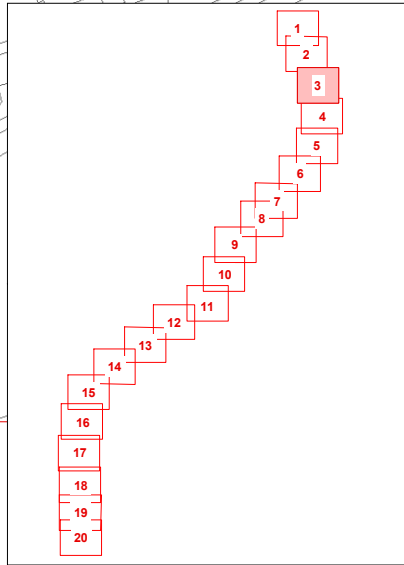


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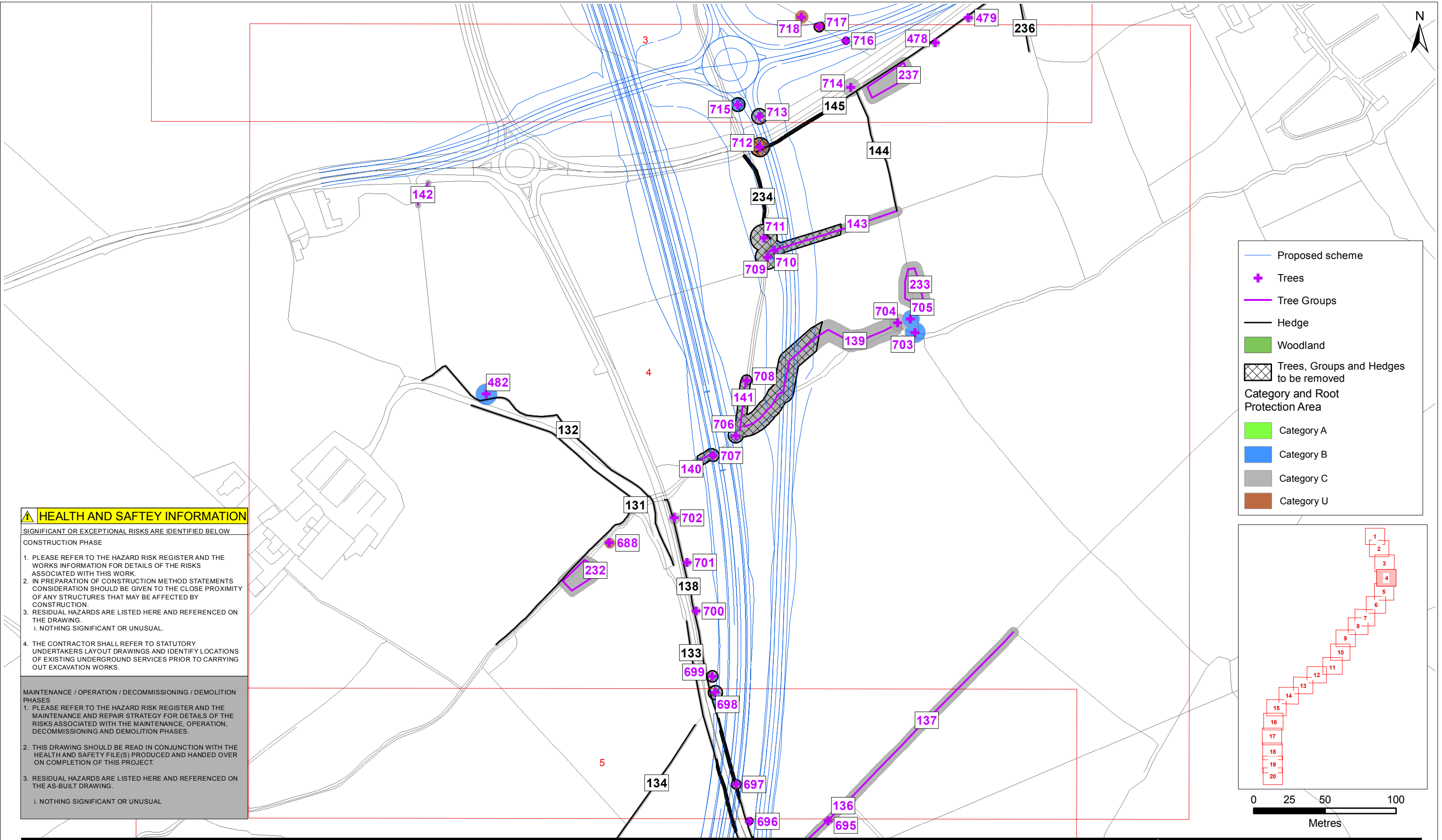
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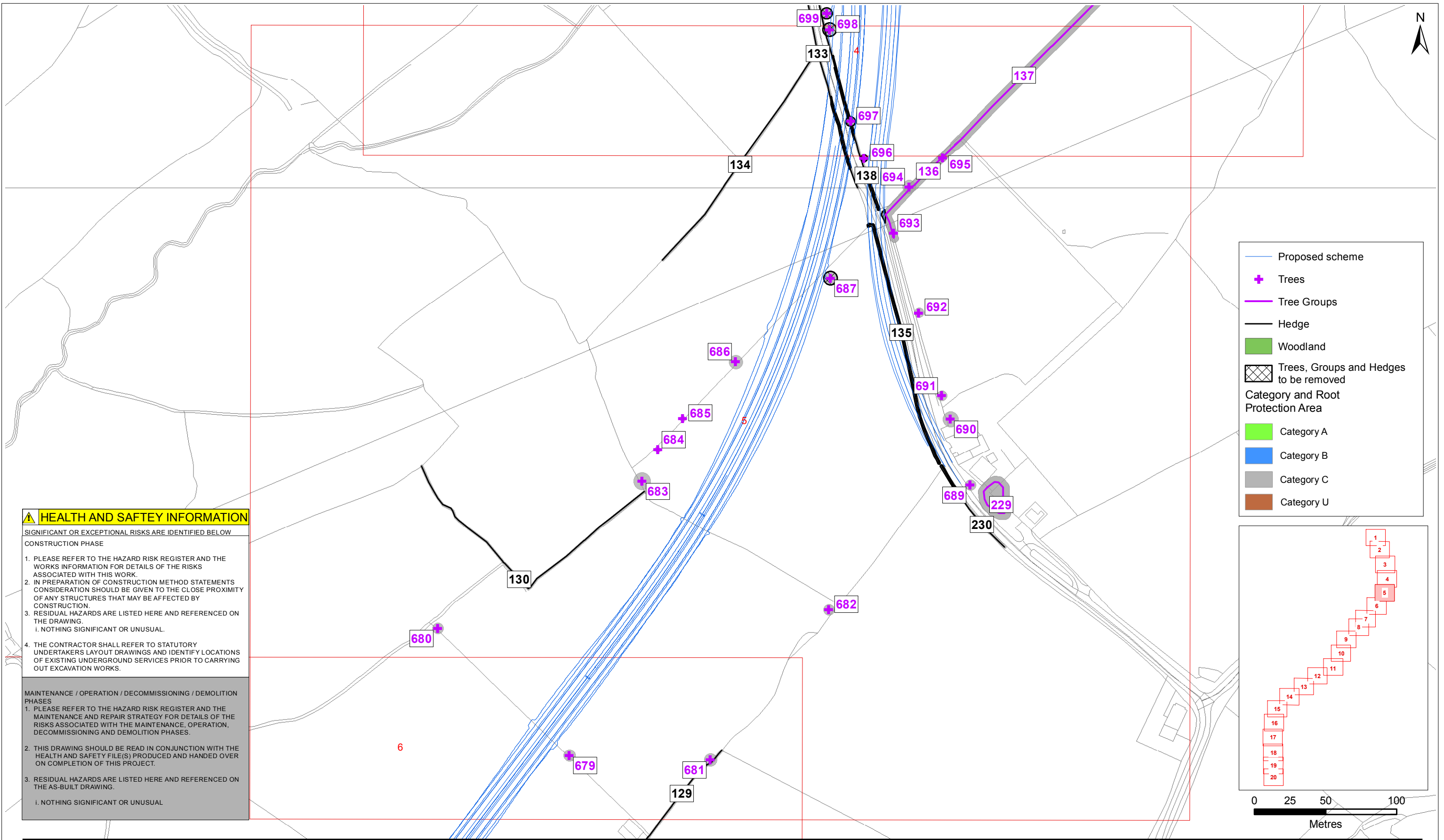
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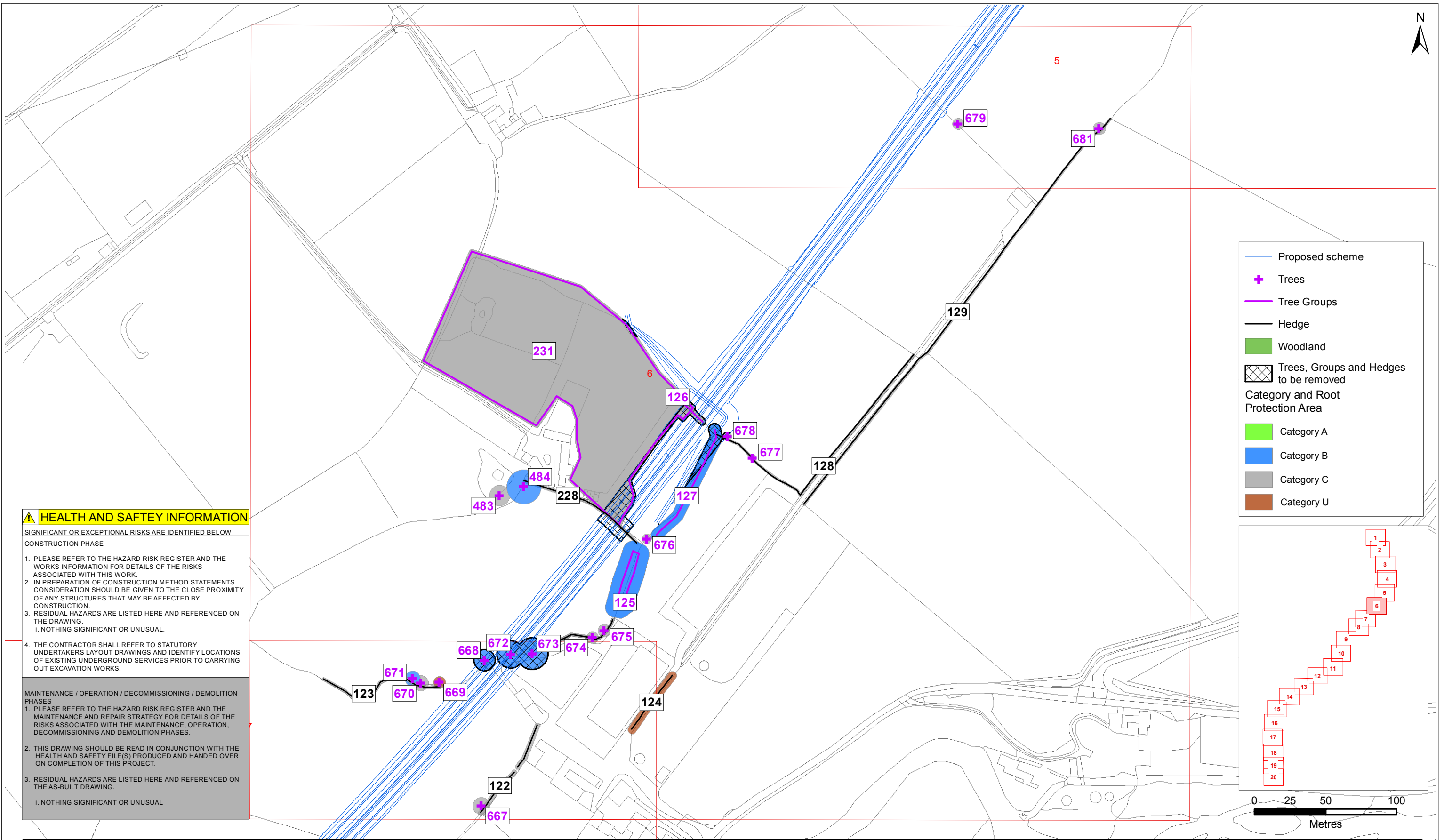
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Proposed scheme

Trees

Tree Groups

Hedge

Woodland

Trees, Groups and Hedges to be removed

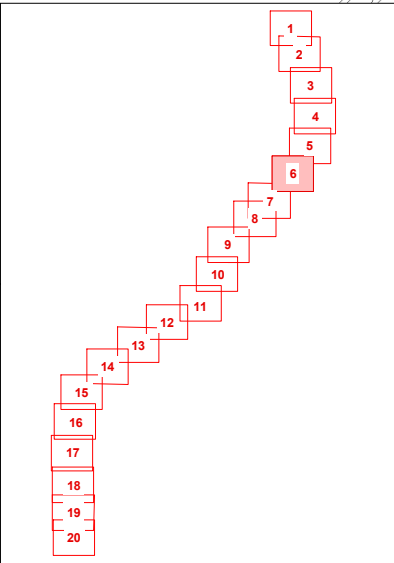
Category and Root Protection Area

Category A

Category B

Category C

Category U



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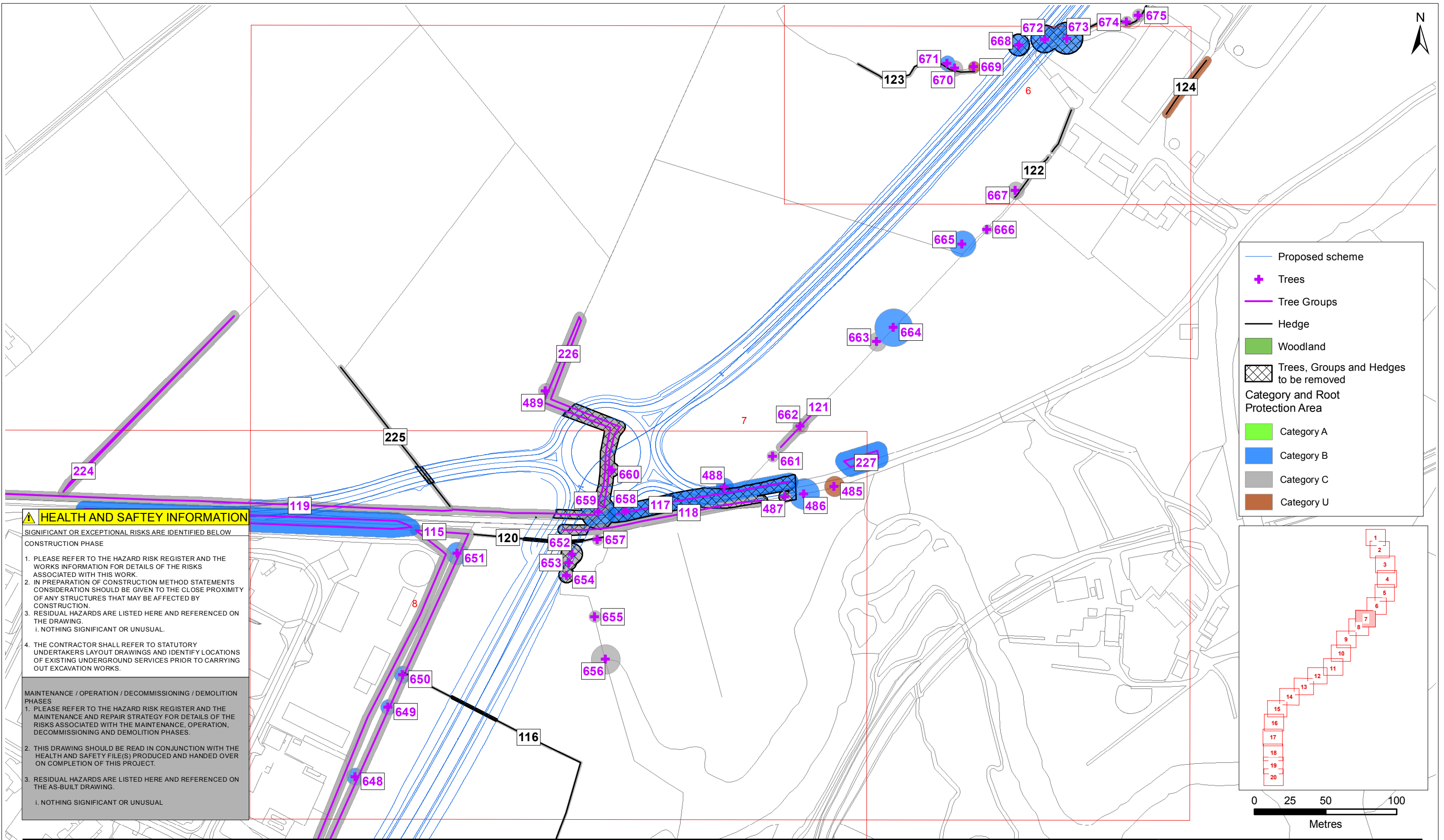
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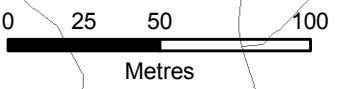
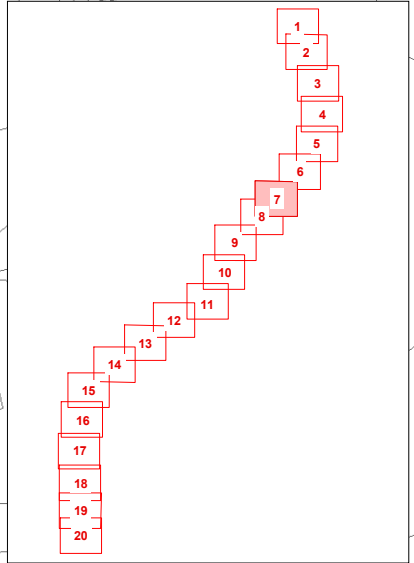
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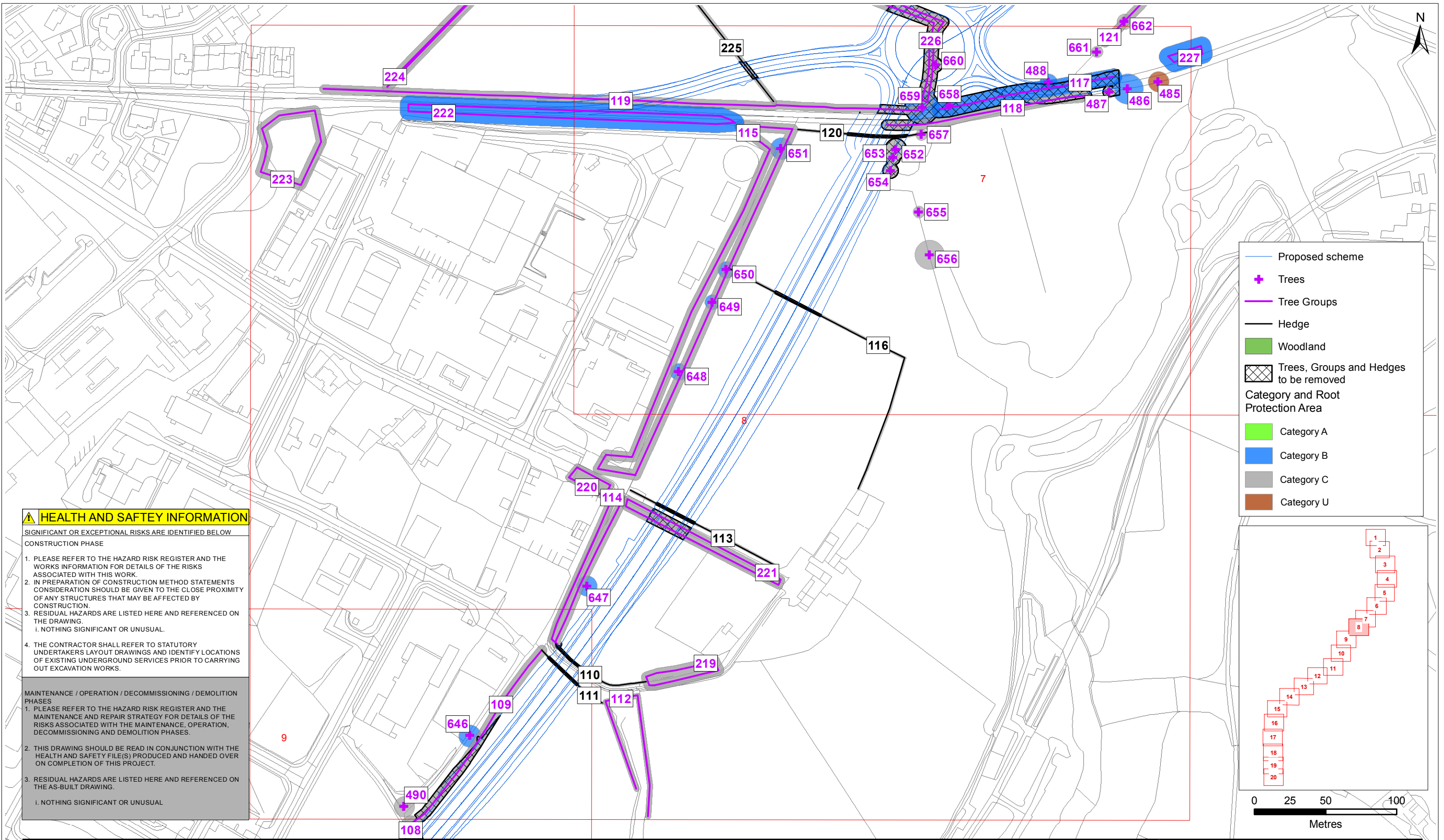
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Denbighshire Tel: 01824 703661

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DATE	26/08/15
DESIGNED	JM
CHECKED	JM
CHECKED	MT

- CONTAINER NUMBER 3513874-PB-XX-ZZ-DR-EN-00007
- P01.1



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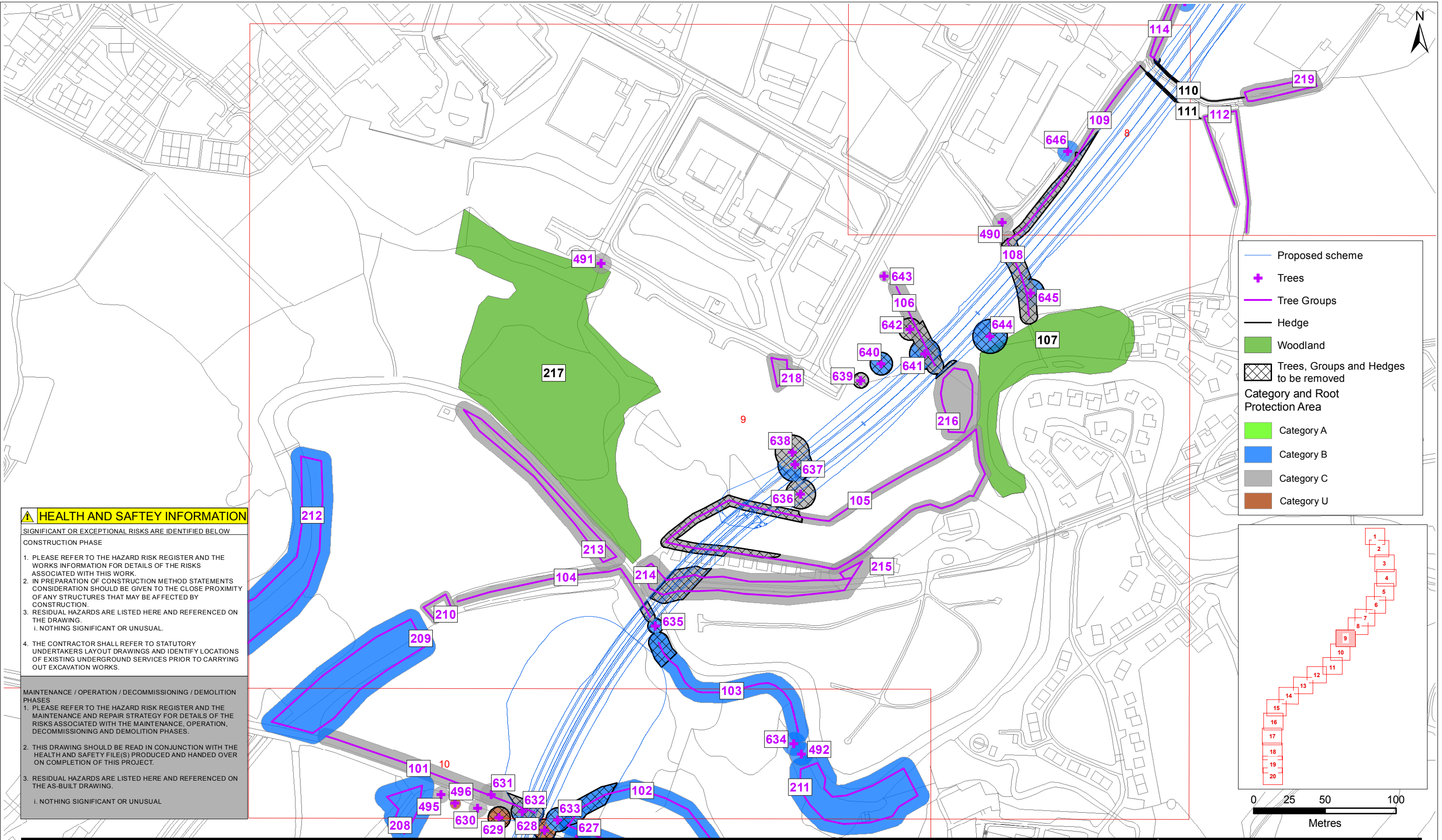
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CHECKED	MT

- CONTAINER NUMBER
3513874-PB-XX-ZZ-DR-EN-00008

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TREE CONSTRAINTS PLAN
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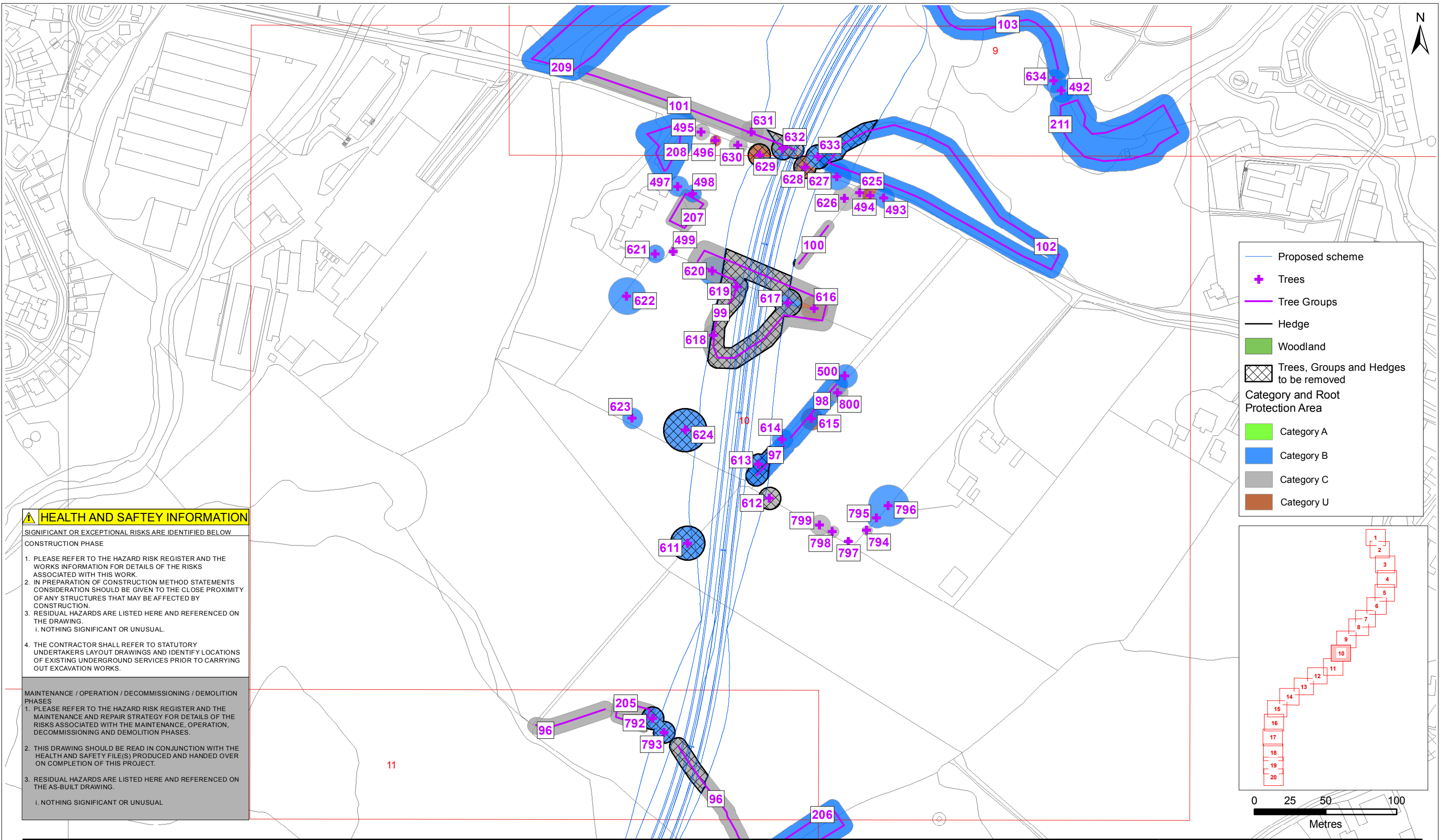


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CHECKED	JM	CHECKED	MT

CONTAINER NUMBER	3513874-PB-XX-ZZ-DR-EN-00009	P01.1
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Proposed scheme

+

 Trees

Tree Groups

Hedge

Woodland

Trees, Groups and Hedges to be removed

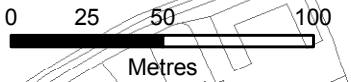
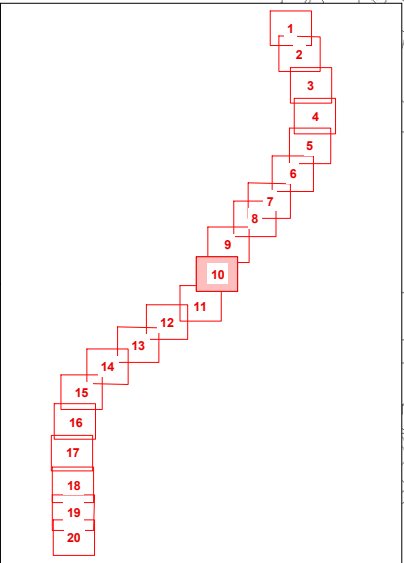
Category and Root Protection Area

Category A

Category B

Category C

Category U



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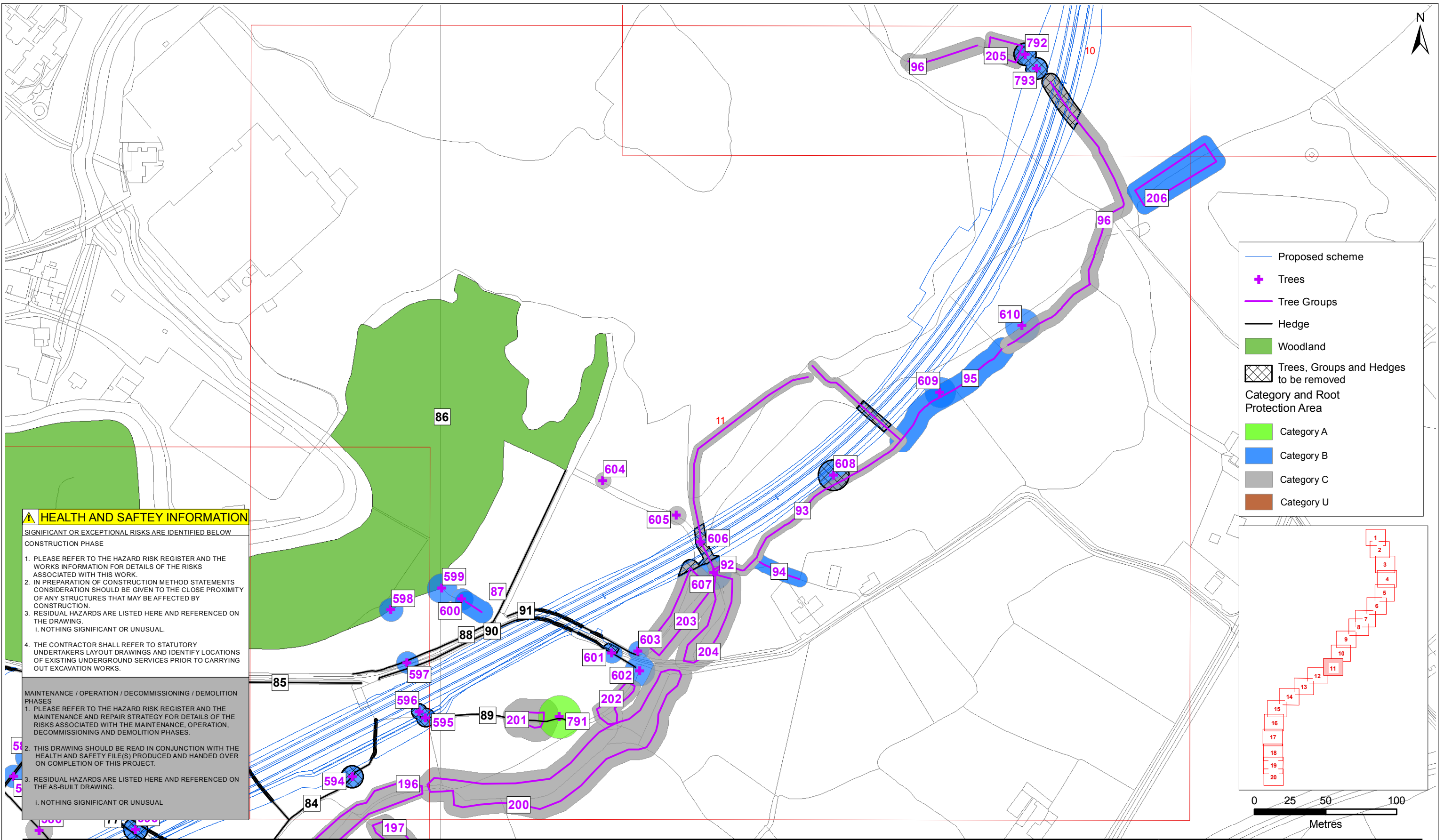
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Denbighshire Tel: 01824 703661

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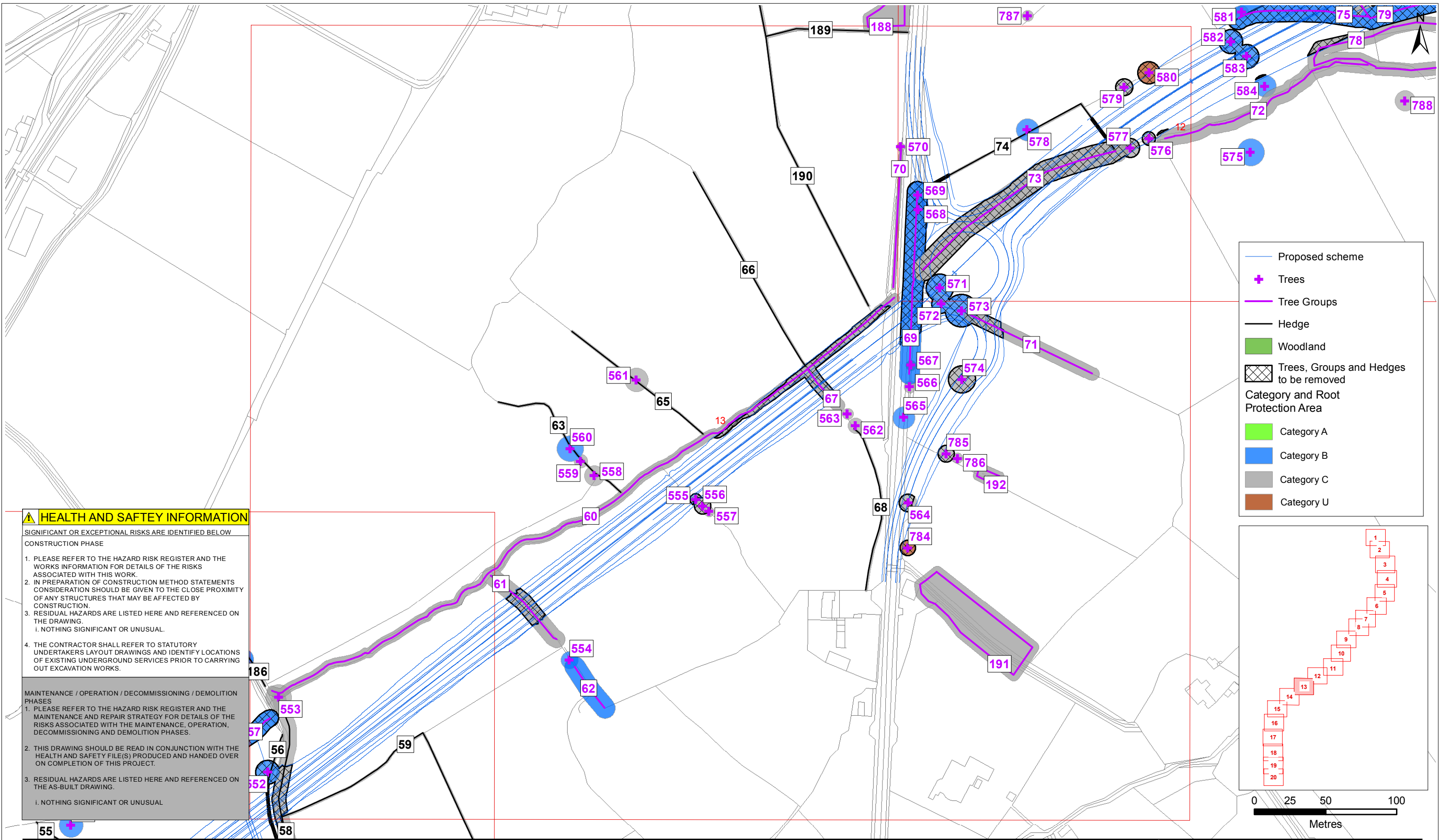
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DATE 26/08/15
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— Proposed scheme

+ Trees

— Tree Groups

— Hedge

Woodland

Trees, Groups and Hedges to be removed

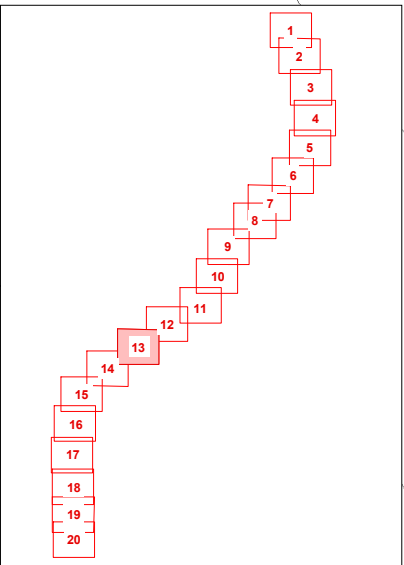
Category and Root Protection Area

Category A

Category B

Category C

Category U



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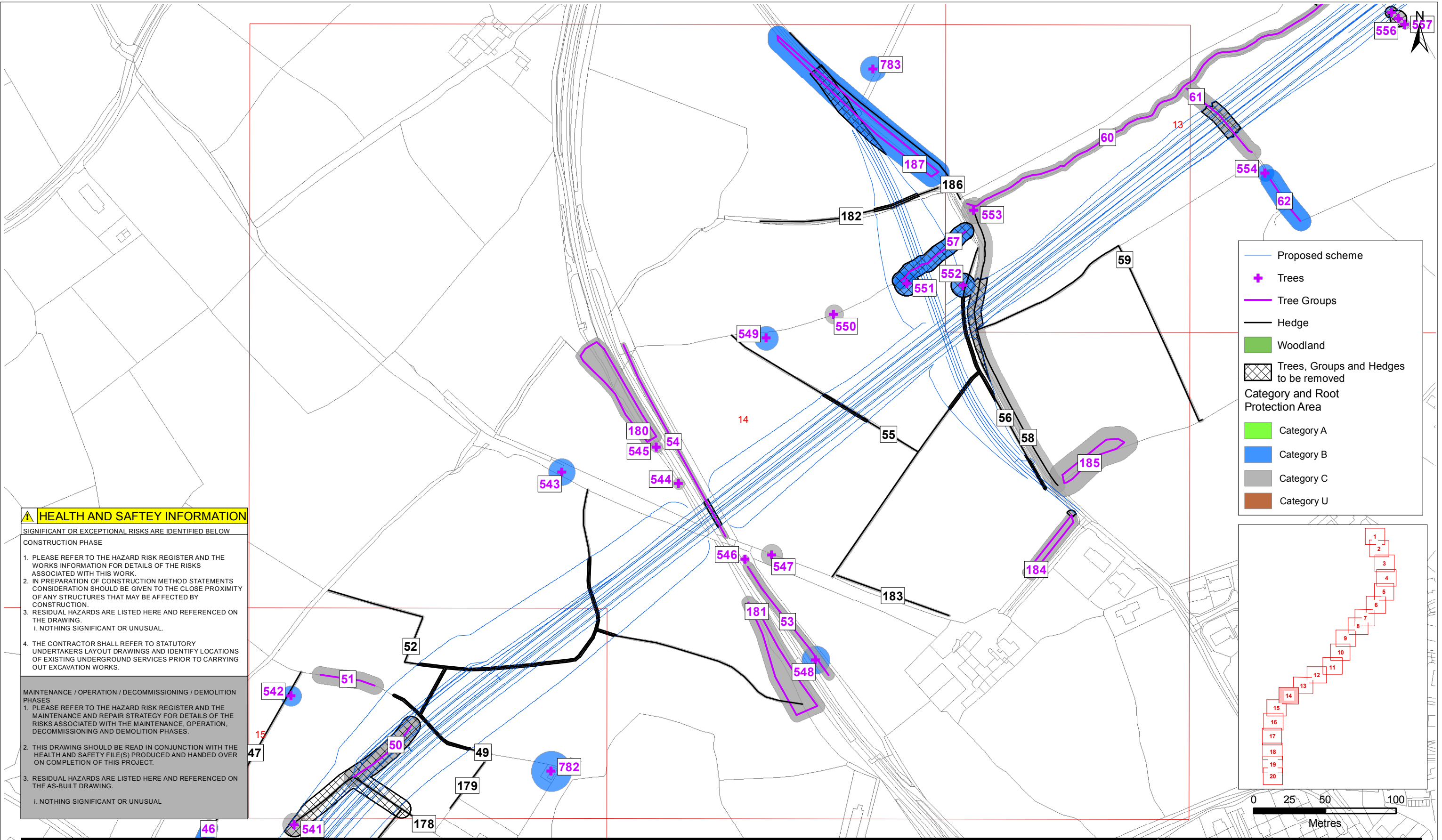
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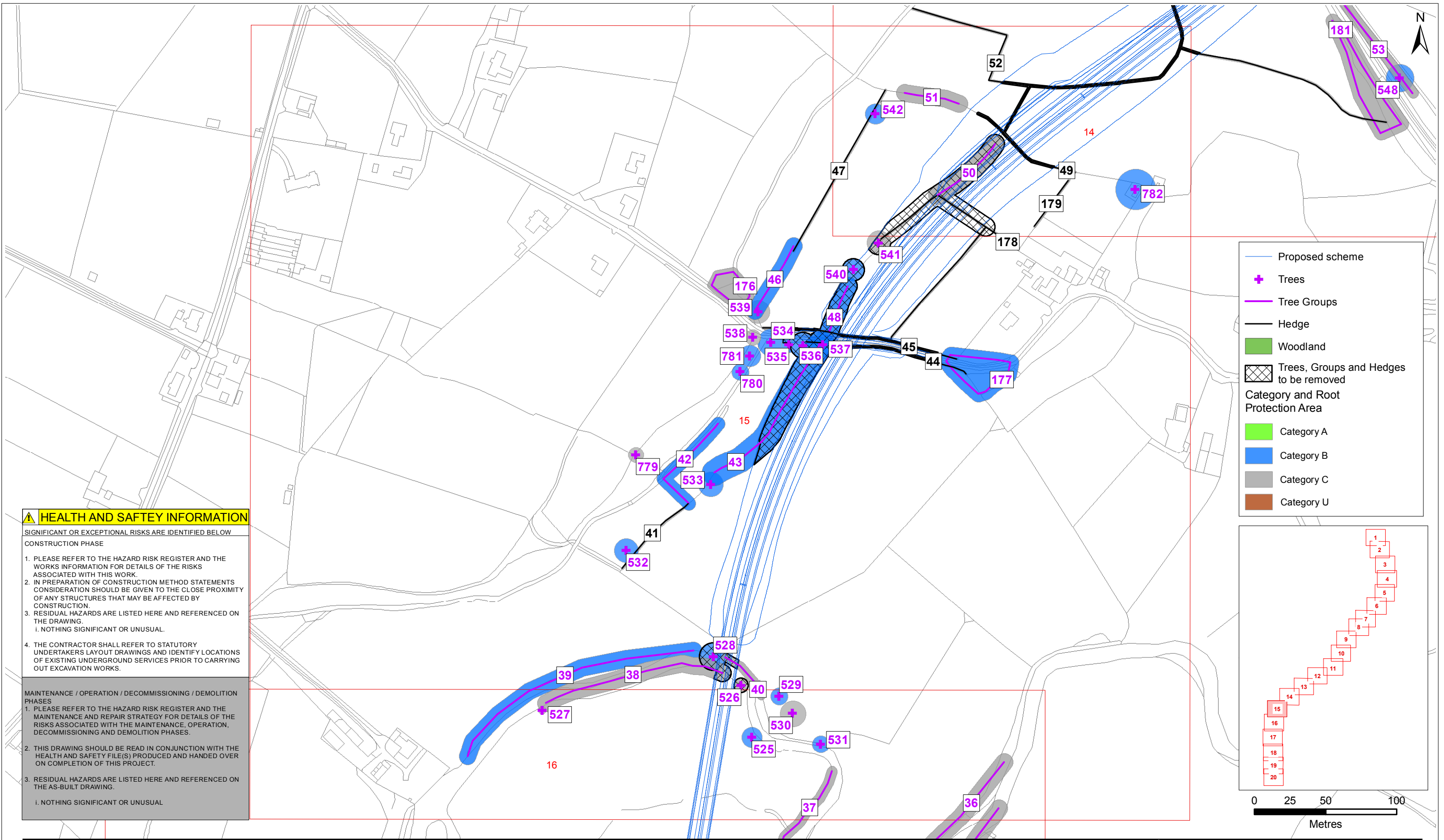
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Proposed scheme

✚ Trees

Tree Groups

Hedge

Woodland

Trees, Groups and Hedges to be removed

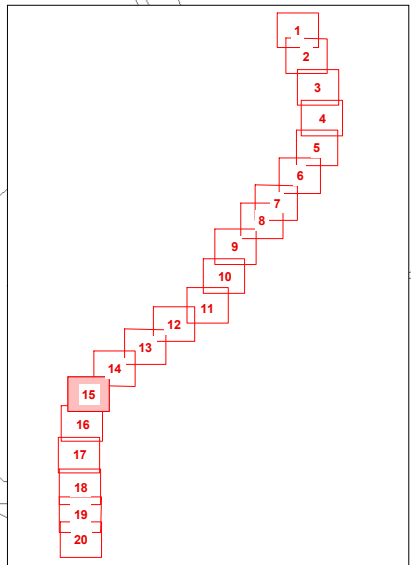
Category and Root Protection Area

Category A

Category B

Category C

Category U



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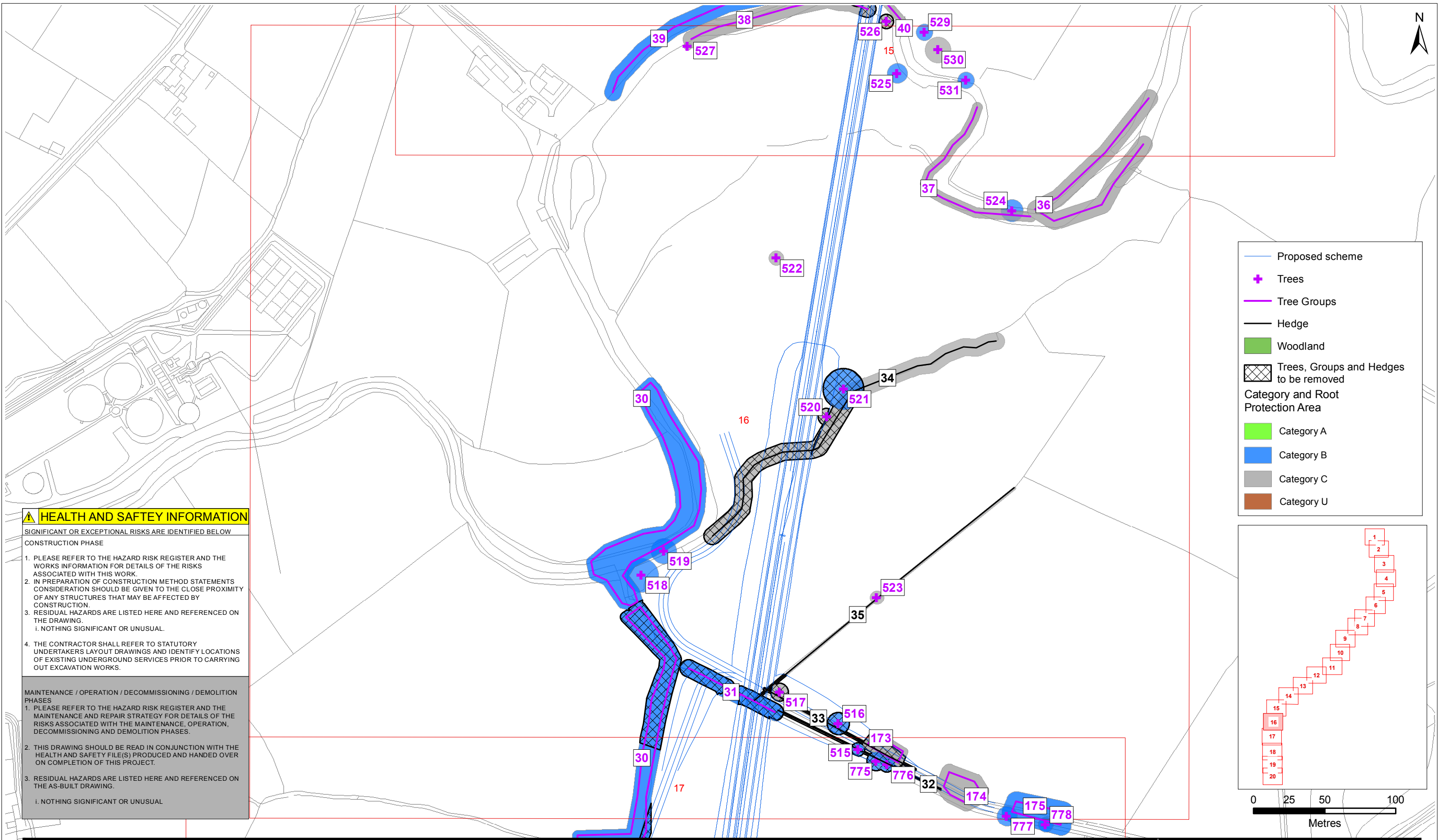
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— Tree Groups

— Hedge

■ Woodland

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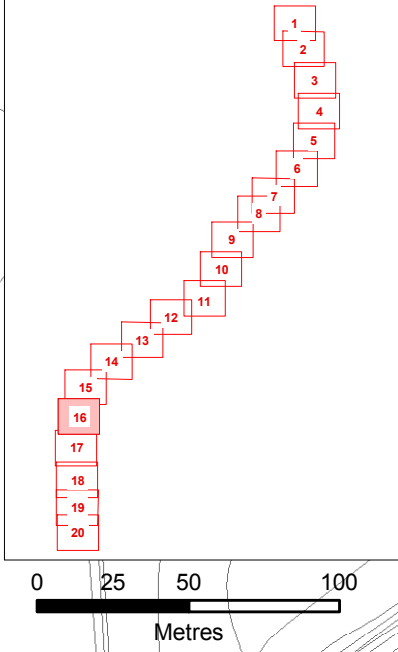
Category and Root Protection Area

■ Category A

■ Category B

■ Category C

■ Category U



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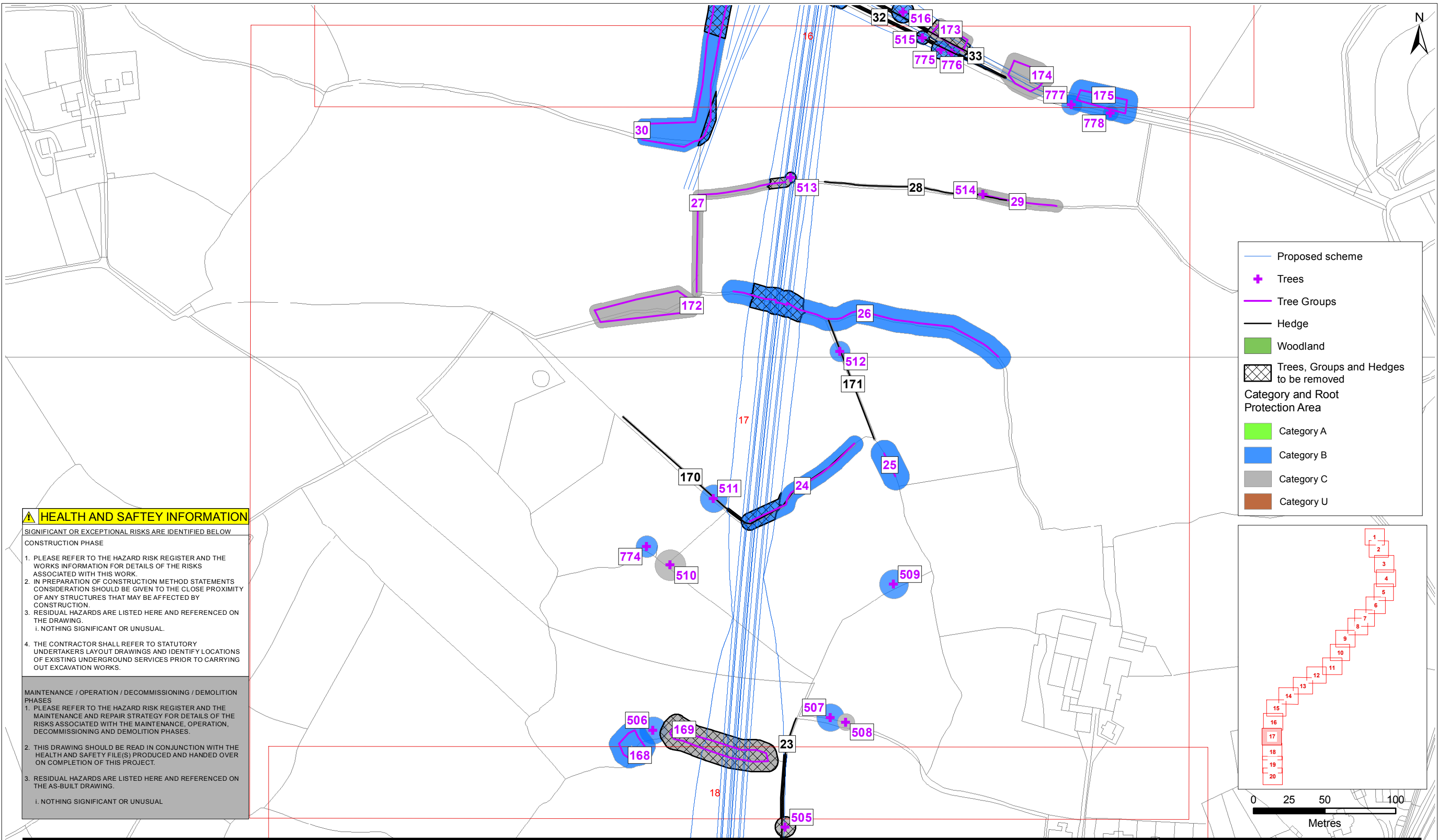
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CONTAINER NUMBER	3513874-PB-XX-ZZ-DR-EN-00016	P01.1
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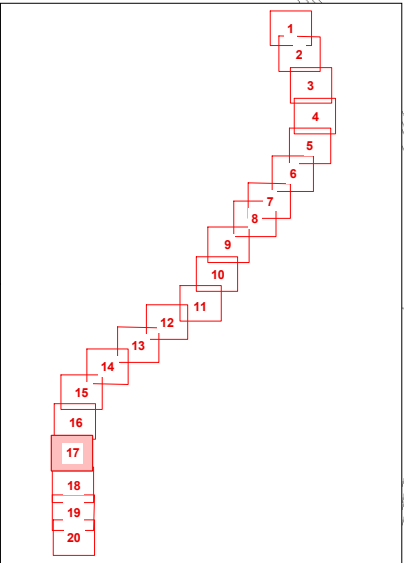
Category and Root Protection Area

Category A

Category B

Category C

Category U



0 25 50 100
Metres

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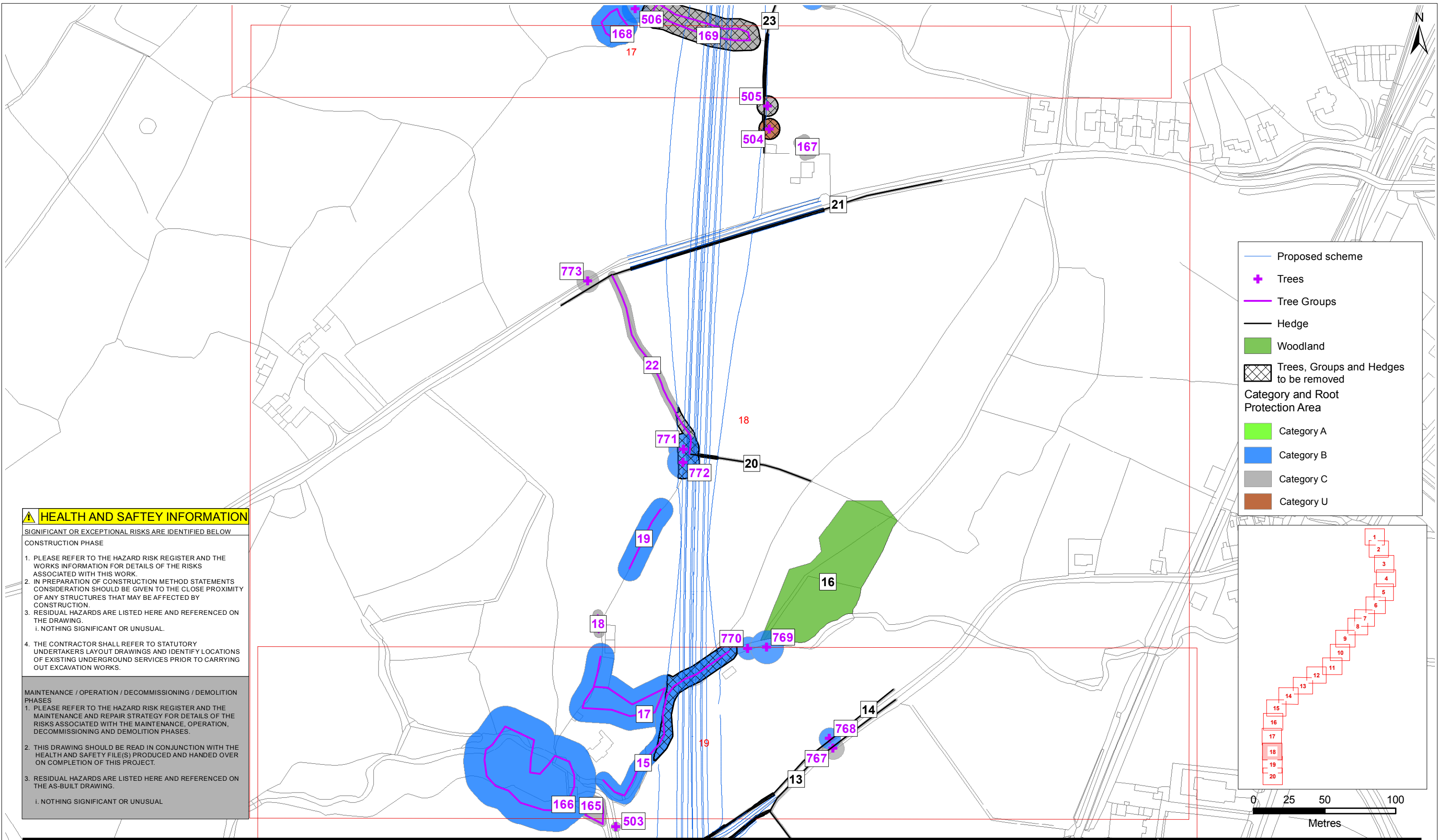
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2. IN PREPARATION OF CONSTRUCTION METHOD STATEMENTS CONSIDERATION SHOULD BE GIVEN TO THE CLOSE PROXIMITY OF ANY STRUCTURES THAT MAY BE AFFECTED BY CONSTRUCTION.
3. RESIDUAL HAZARDS ARE LISTED HERE AND REFERENCED ON THE DRAWING.
i. NOTHING SIGNIFICANT OR UNUSUAL.
4. THE CONTRACTOR SHALL REFER TO STATUTORY UNDERTAKERS LAYOUT DRAWINGS AND IDENTIFY LOCATIONS OF EXISTING UNDERGROUND SERVICES PRIOR TO CARRYING OUT EXCAVATION WORKS.

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION PHASES

1. PLEASE REFER TO THE HAZARD RISK REGISTER AND THE MAINTENANCE AND REPAIR STRATEGY FOR DETAILS OF THE RISKS ASSOCIATED WITH THE MAINTENANCE, OPERATION, DECOMMISSIONING AND DEMOLITION PHASES.
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3. RESIDUAL HAZARDS ARE LISTED HERE AND REFERENCED ON THE AS-BUILT DRAWING.
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REV	DATE	DESCRIPTION	BY	CHKD	APPD	TITLE

A487 CAERNARFON AND
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TREE CONSTRAINTS PLAN
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EC HARRIS
BUILT ASSET
CONSULTANCY

RAMBOLL



Ty Glyn, Canol Y Dre, Ruthin
Denbighshire Tel: 01824 703661

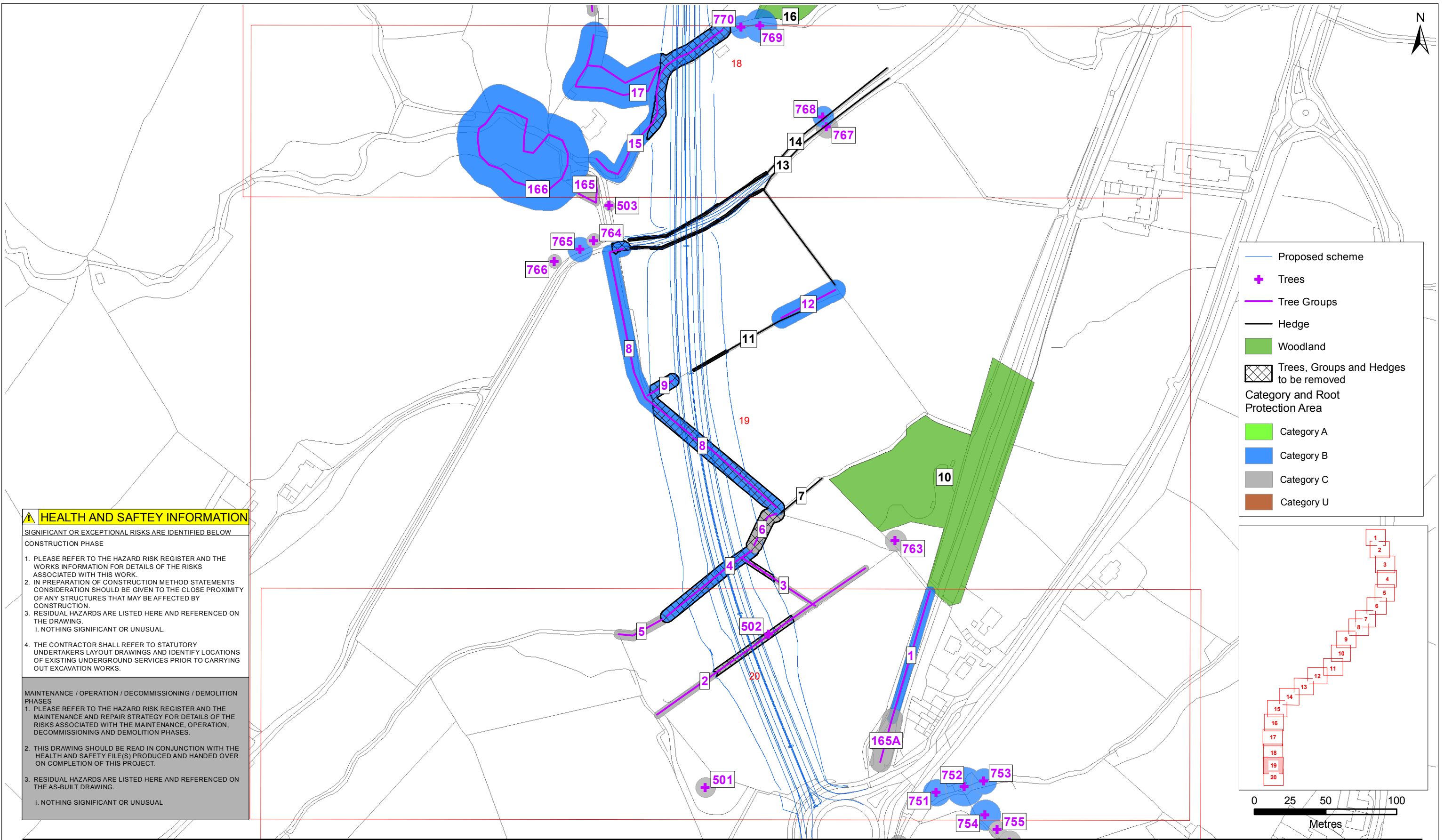
FIT FOR INFORMATION

- DATE 03/08/2015
- SCALE As shown

DATE	26/08/15
DESIGNED	JM
CHECKED	JM
CHECKED	MT

- CONTAINER NUMBER
3513874-PB-XX-ZZ-DR-EN-00018

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BRINCKERHOFF



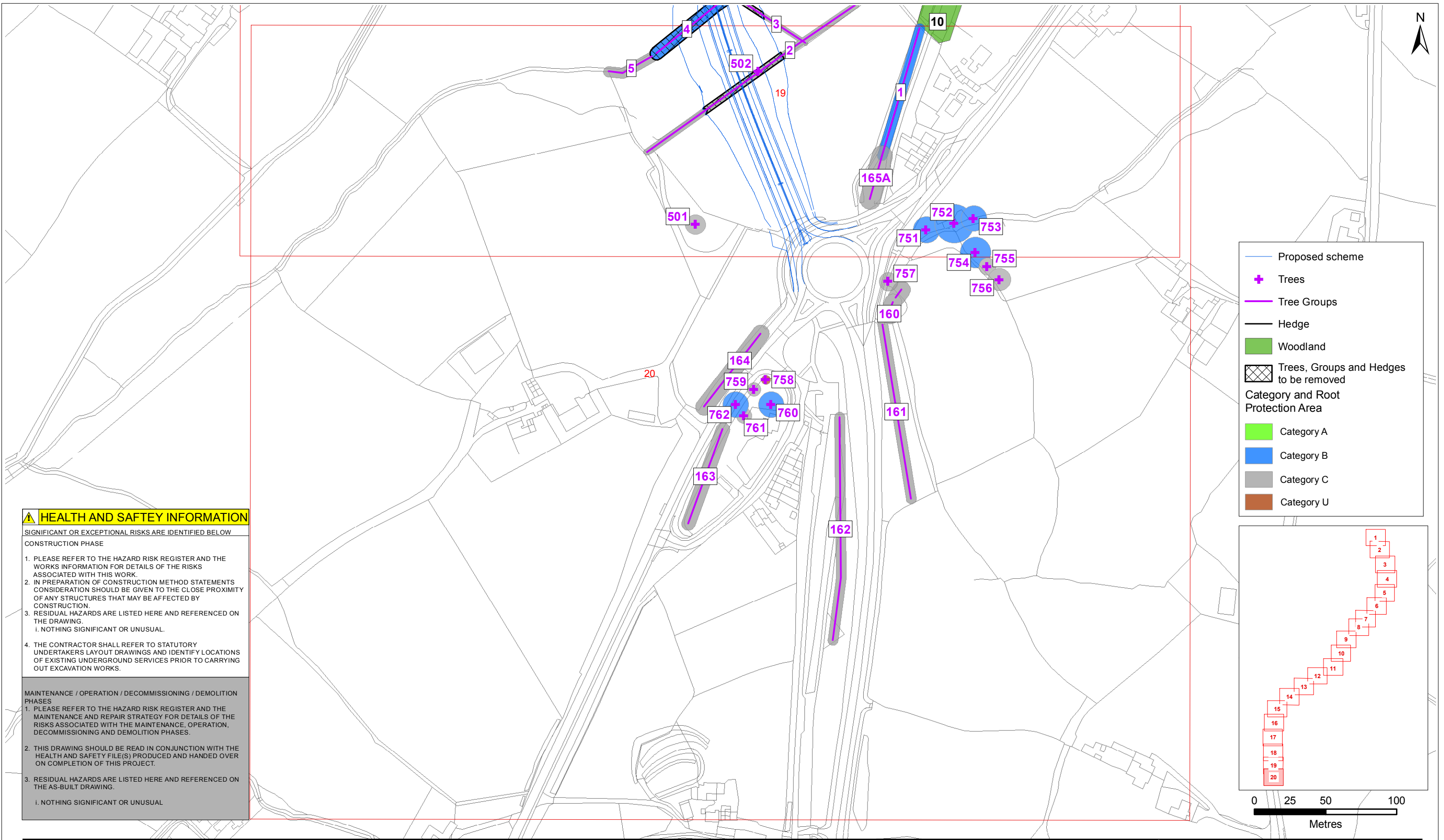
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Denbighshire Tel: 01824 703661

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— Proposed scheme

+ Trees

— Tree Groups

— Hedge

■ Woodland

▨ Trees, Groups and Hedges to be removed

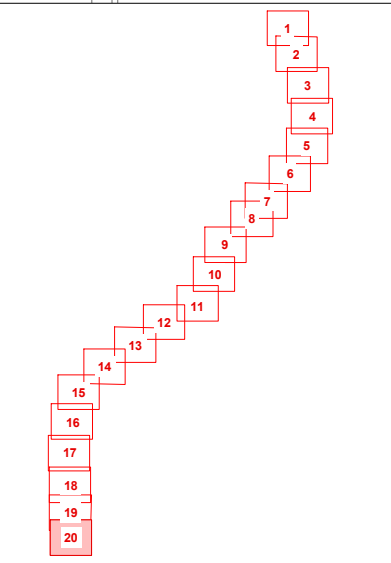
Category and Root Protection Area

■ Category A

■ Category B

■ Category C

■ Category U



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